SOW Attachment 1

NASA Overhaul Specifications

for

Spey Engines Mk 511-8

.__

-

.

,

	NA-4001-S	
WORK	SPECIFICATION	NO.

· 2	28
PAGE	OF
Feb 12	1993

DATE

3	
ISS.NO.	REV.NO.

N/A

N/A

R

	السسا

PART I -	***************************************	SPECIAL INSTRUCTIONS		-		······································	240142244141141422A
ENGINE SEC	TION:	WORK ORDER NO.	SERI	AL NO.			
BULLETIN	CAT	DESCRIPTION	REMARKS	c/w	PCW		N/F
76-A36	R	INSPECTION OF HP/SOC EMERGENCY LEVER.	ASSEMBLY				
72- A491	R+	INSPECTION OF REAR SLING BRACKET.	S/S BY MOD 3127				
72-A791	R	INSPECTION OF OIL TUBE TO BONDING LEAD TAG FOR POSSIBLE FOUL.	ASSEMBLY			***	
72-997	М	IMPROVED INSPECTION OF PRIMARY AIR SCOOPS.	SEE AD 87-18-07			,	
72-1023	R	LPT SHAFT SPLINE INSPECTION.					
) 72 - 1025	R	LPT ROTOR & INTERSTAGE SEAL INSPECTION.					
72-1043	м	CRACK TEST OF COMBUSTION CASE.	·		~a~~		
N/A	R	X-RAY INSPECT DIFFUSER CASE P3 MANIFOLD WELDS SECURING THE AIR OFFTAKE PIPES, THE FOUR OIL TUBE SUPPORT BOSSES AT BDC, & ALSO AT ANY EXISTING REPAIR WELDS. FILMS FROM THESE INSPECTION, ALONG WITH ANY FOR NEWLY INCORPORATED REPAIRS, ARE TO BE PROVIDED TO SPEY CUSTOMER SERVICE FOR REVIEW BY NASA.					
) 4 CT	_	maniculum m	1	<u>]</u>			_

TEST ENGINE TO CURRENT OHM REQUIRE-

MENTS. ADDITIONALLY, ENSURE THAT N2 VS. THRUST FALLS WITHIN THE LIMITS OF NASA DWG NO.20650002, REV.A, Pt.V OF

AT ENGINE TEST, ENSURE A MINIMUM OF 3

PSI MARGIN EXISTS FOR HOT ENGINE OIL PRESSURE. ADVISE ENGINEERING IF THIS

THIS SPECIFICATION.

CANNOT BE MET.

TEST

TEST

•	NA-4001-S	
MUSK	SPECIFICATION	
110101	Dt 2011-1-11	

SPECIAL

REPAIR OR OVERHAUL SPECIFICATION AND COMPLIANCE RECORDS

3		28
PAGE		OF
Feb	12	1993

3	

ISS.NO.	REV.NO.

PART I -

ENGINE SECTION:

			```
		1	· .
INSTRUCTIONS		<del></del>	
WORK ORDER NO.	999	777 370	
WORK ORDER NO.	SER	IAL NO.	]

BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
N/A	R	MAIN OIL PUMP COMPONENTS, LEFTHAND GEARBOX JOURNALS & PLAIN BEARING TO BE DIMENSIONALLY INSPECTED TO OHM FITS & CLEARANCES. REFERENCE DIMENSIONS!.	:				
				***************************************		THE PROPERTY OF THE PROPERTY O	
;						mercini ancer ancer alcidio (1869)	
ng gulariyaa gagaa karayaya kara kara kara kara kara kar						***************************************	
			And the second s				
-aniquest property property de construir en							
***************************************	<u>                                     </u>			••			
	ann ann i Llinishiniai dhair Shinart Dheart				,		
	***************************************		,				
			·				***************************************

•	NA-4001-S	•
WORK	SPECIFICATION	NO.

REV.NO.

4		28	
PAGE		OF	
Feb	12	1993	
	DAT	E	

PART II -	MANUFACTURERS BULLETIN	COMPLIANCE RECORDS		
ENGINE SECTION:	work or	DER NO	SERIAL NO.	00000000000000000000000000000000000000

	,						
BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
2085	R+	THRUST REVERSER CLAMP RING WITH RE- POSITIONED LOCATION SLOTS.	SEE ALSO M3809 C/W IF REC'D WITH ENGINE				
2316 72-264	R	ENGINE BY-PASS DUCT P3 AIR TRANSFER TUBE WITH ADDITIONAL SEAL RINGS AT LINER END.		•			
2403 72-334	R	INTERMEDIATE SHAFT BALL BEARING OUTER RACE CUPWASHER INCORPORATING LOCATING TANGS.					
2411 72-335	A	INTERMEDIATE DRIVESHAFT STRENGTHENED ADJACENT TO THE FORWARD OIL HOLES.				***************************************	_
2573 72-427	R	HP1 TURBINE BLADE RETAINING PLATE WITH INCREASED RADIAL ENGAGEMENT.					
2574 72-407	R+	HP1 TURBINE SHAFT WITH POSITIVE STOP FOR TURBINE DISC DEFLECTION.	MOD 4412 ALSO REQUIRED				
2588 71-136	R	HARNESS CLIPPING BY SELECTIVE ASSEMBLY OF CLAMPS.	ASSEMBLY			,	
2609 72-421	<b>A</b>	HP ROTOR INNER & OUTER SPACERS WITH INCREASED SPIGOT CLEARANCE.					
2621 72-434	A	HP1 NGVs LOCATION RING PRODUCED IN ONE PIECE.					ne venezioni recizionese
2656 72-410	R	HP IGVs WITH ANTI-CORROSIVE TREATMENT.					-
2658 72-417	R	ANTI-CORROSION TREATMENT OF STATOR VANES, ROTOR BLADES, & OGVs LP.					

,	NA-4001-S	
WORK	SPECIFICATION	NO.
3		

REV.NO.

ISS.NO.

5	tvaronoma	28
PAGE		OF
Feb	12	1993
	DAT	E .

PART II -	MANUFACTURERS BULLETIN COMPLIANCE RECORDS	<u>آ</u>
ENGINE SECTION:	WORK ORDER NO. SERIAL NO.	

	····			CONTRACTOR OF THE PARTY OF THE			
BULLETIN	CAT	· DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
2714 72-451	R	HP TURBINE BEARING OIL FEED & RETURN TUBE WITH BOLTED CONNECTORS.		ICANIA SANTANIA NA PARAMANA	i		
2724 72-415	A	STRONGER ANTI-ICING TUBE SUPPORT BRACKET.					***************************************
2782 72~450	R+	STRENGTHENED HP1 COMPRESSOR DISC WITH MODIFIED SEALING PANEL.	SEE MOD 3071	······································		~~	
2789 72 <b>-</b> 432	R	HP1 COMPRESSOR BLADE BUSHED PIN HOLES.		mayyyayaassa aa a			
2856 76-16	R	CONTROLS FFR LINKAGE WITH SERRATED RECTANGULAR WASHERS.	management of the state of the		anglessystematical designs of the Section of the Se		
2931 72-431	R	REVISED PIVOT BOLT LOCKING & BEARING LUBRICATION ON RAM TO IGV & BV EXTERNAL OPERATING LINKAGE.	SDI/ ASSEMBLY	,			
2936 79-10	R	OIL TANK WITH PRESSURE FILLER & OVERFILL STANDPIPE.					
2939 Pt.2&4 72-477	R+	AVICA 'V' CLAMPS - CLAMPS WITH FAIL- SAFE LINKS.	OR MOD	· •			
2941 72-513	R	CENTRAL OIL TUBE, REAR, OIL TRANSFER BUSH BORED AFTER ASSEMBLY.			(	,	
2947 72-445	R	OIL FEED & RETURN TUBES WITH CORRU- JOINTS FLATTENED ADJACENT TO BOLT HOLES.	ASSEMBLY				
2949 72-454	R	LP1 TO 5 BLADE RETAINING PINS WITH IMPROVED LOCKING FEATURES.					

	NA-4001-S	
WORK	SPECIFICATION	NO.

6		28
PAGE		OF
Feb	12	1993
	DATI	

**************************************	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>
ISS.NO.	REV.NO.

		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
PART II -	MANUFACTURERS	BULLETIN COMPLIANCE RECORD		3. v
ENGINE SECTION:		WORK ORDER NO.	SERIAL NO.	

				1. 5.5 T		1.83	
BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
2951 72-460	R	STAGES 1-4 (INCL) STATORS WITH CUT BACK LEADING EDGE OUTER PLATFORMS.				***************************************	*************
2952 75-74	R 	INCORPORATE END FLOAT BETWEEN SHAFT ASSEMBLY & SUPPORT BRACKET.			onwas schildenisch die State (State (	***********************	www.controlser.com
2983 72-444	R	REMOVE FRONT SEAL FIN FROM SHAFT EXTENSION.		,			
2990 72-486	R+	STRONGER UPPER & LOWER REAR LIFTING BRACKETS.	SEE ALSO MOD 3127	~^~~	<b>MANA</b>		
2991 72-488	R	LEFTHAND WHEELCASE OIL TUBE SLEEVE WITH INCREASED INTERFERENCE FIT.					
3002 72-453	R	HP1C BLADE WITH CUT BACK LEADING EDGE TIP.	·				
3025 72~483	A	APPLICATION OF ANTI-CORROSION TREAT- MENT TO BY-PASS DUCT SLIM LINE LINER.					
3026 72-459	R	CHROMIUM PLATED ROTATING SEAL SLEEVE & TUFFTRIDED RING SEAL.		·•			
3055 75-67	Α .	HP AIR SUPPLY TOP SECTION IN 0.064" THICK S/CNT.		·	6		
3056 72-470	A	HP12 STEEL BLADE WITH AEROFOIL THICKENED BY 0.006" AT ROOT TAPERING TO ZERO AT TIP.					
3060 72-571	A	HP1&2 TURBINE INTERSTAGE AIR SEAL CROSS KEY LOCATED IN SUPPORT RING.					en eggenegaven avan
3063 72-468	R+	INTERSTAGE SEALS. INTRODUCTION OF SPEY REPAIR SCHEME XRS-3505.	C/W ONLY. IF XRS 3505 REQUIRED				

NA-4001-S	
SPECIFICATION	

7	28
PAGE	OF

3 ISS.NO.

REV, NO.

Feb 12 1993 DATE

PART II -	MANUFACTURERS BULLETIN COMPLIA	NCE RECORDS		,
ENGINE SECTION:	work order no		SERIAL NO.	

BULLETIN	CAT	DESCRIPTION	REMARKS	c/w	PCW	N/A	N/R
. 3068 72-489	R	LARGE INTERCONNECTORS WITH SHROUD REMOVED & BOUNDARY LAYER COOLING.					
3071 72-485	R 	HP1 BLADE RETAINING PINS WITH INCREASED CLEARANCE.				•	
3079 72 <b>-4</b> 75	R	HP2,3,4,5,6 & 7 COMPRESSOR BLADES WITH CUT BACK TRAILING EDGE & RADIUSED LEADING EDGE TIP.					
3085 72-410	R	FFR WITH INCREASED DIAMETER DRIVE, RETAINED BY SPRING RING.					***************************************
3116 ) 72-458	R	HP COMPRESSOR ROTOR STRENGTHENED STAGES 8-9 TO 11-12 DISC SPACERS.	***************************************			***************************************	novement of his order
3127 72-491	R	EXHAUST MIXER - STRONGER REAR LIFTING BRACKET.		·			
3148 72-508	A	HP IGV MECHANISM STOP RING DELETED.					not the interest of the intere
3158 72-492	A	HP COMPRESSOR STAGES 1,2, & 3 STATORS WITH DOWELS DELETED.		•			
3170 75-64	R	IGV CONTROL-SPRING LINK WITH TAPERED SHOULDER ON GUIDE ROD.		•			
3176 73-131	A	FEED TUBE WITH SPLIT CONNECTION, BACKING PUMP TO OIL COOLER.		Vergins - 17 August - 12			
3177 76-18	R	EMERGENCY SHUT-DOWN REVISED CLIPPING OF EMERGENCY SOV CABLE.	ASSEMBLY			,	:
3194 72-545	R	HP2 DISC INNER TRIPLE SEAL WITH ADDITIONAL SLOTS.		•			

	NA-4001-S	٠.
WORK	SPECIFICATION	NO.
3		
ISS.NO.	REV	NO.

8		28	
PAGE		OF	
Feb	12	1993	
	DAT	5	711121(11)

PART II -	MANUFACTURERS BULLETIN COMPLIANCE	RECORDS
ENGINE SECTION:	WORK ORDER NO.	SERIAL NO

BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW/	N/A	N/R
3199 72-500	A ·	CONSTANT SECTION LOCATING RING.					
3200 72-606	A	DISCHARGE NOZZLE REAR FRAME IN S31 MATERIAL.		eversore market none house construction			
3252 72-577	A	FRONT BEARING RING SEAL WITH CHROMIUM PLATED ROTATING MEMBER & TUFFTRIDED RING.					·
3270 72-523	A	LP OGVS BONDED INTO SEGMENTS WITH ECCOBOND 104.				·	
3279 72- <b>4</b> 80	R	TACK WELDING OF COMBUSTION LINER BOLTS.	ASSEMBLY				
3281 72-501	R	INTERFERENCE FIT OF LINER INTER- CONNECTOR INTERLOCKING FEATURES.			-		
3289 72-487	R	COMPRESSOR LP1 ROTOR BLADE WITH CUT BACK TRAILING EDGE.					
3301 72-531	A	DISCHARGE NOZZLE WITH REDUCED WIDTH COOLING RINGS.				-	
3336 72-526	R+ -	INTRODUCTION OF BRAZED WIRE GAUZE STRAINERS.	ORDER 5 EACH P/N DA12652		<i>(</i>		
3343 72~502	м	OIL RETURN SOLEPLATE WITH EXTENDED LINER.	PRE-MOD 3700 ONLY				
3358 72-503	A	DISCHARGE NOZZLES WITH ADDITIONAL ROW OF COOLING HOLES.					-

NA-4001-S	
SPECIFICATION	

9	55400000000	28
PAGE		OF
Feb	12	1993
7,100	DATE	

3	
Carlotte (Carlotte - B. W. Carlotte and a second a second	
ISS.NO.	REV.NO.

PART II -	MANUFACTURERS	BULLETIN COMPLIANCE R	ECORDS		
ENGINE SECTION:		WORK ORDER NO	SERIAL	NO.	

	a. =	DESCRIPTION	REMARKS	C/W	P.C.	N/A	N/P
BULLETIN	CAT	DESCRIPTION	* * KPINKVO	C/W	PCW	N/A	N/K
3374 72-587	A	BY-PASS AIR FAIRINGS STRENGTHENED & WITH CUT OUT TO SUIT 6-SPOKE BEARING HOUSINGS.	•			<del>, , , , , , , , , , , , , , , , , , , </del>	
3382 72-609	A	LP3 STATOR WITH THICKER AEROFOIL AT OUTER END.					
3383 72-529	R	INTERNAL CASE - LP OGV LOCATING RING COATED WITH PROTECTIVE VARNISH.					
3387 75-97	R	PV RAM TO IGVS & BV OPERATING LINKAGE WITH "D" HEADED PIVOT PINS SECURED BY NUTS.					
3420 ∯ 72-511	R+	RE-ROUTED OIL FEED TUBE TO HP TURBINE BEARING.	N/A TO MOD 5277				
3425 72-593	R	COMMON 0.50" LONG NO.10 BOLTS IN A.C.N. MATERIAL.			W 340,000 7. ST. F. F.		
3437 72-559	A	DELETION OF ANNULUS GROOVE FROM REAR FLANGE BEARING HOUSING.					
3443 76-15	R+	REMOVAL OF TOP TEMPERATURE REDATUM MICRO SWITCH BOX.	N/A TO MOD 3604				
3444 72-517	R	STAGE 4 ROTOR BLADE WITH CUT BACK LEADING & TRAILING EDGE TIPS & HIGH MINIMUM FIRST TORSIONAL FREQUENCY.		,	{		
3460 76-23	A	F.S.O.V. CABLE WITH SHORTENED FORWARD SECTION.				a-7000000000000000000000000000000000000	
3488 76-17	R	HEXAGON BOLTS FOR SECURING THROTTLE RELAY LEVER BRACKET.					<u>.</u>
3521 72-655	A	LS DRIVE GEARSHAFT WITHOUT CHAMFER & RECESSED RINGNUT.					

•	NA-4001-S	
WORK	SPECIFICATION	
•		

REV.NO.

10	·	28
PAGE		OF
		1993
	DATI	

PART II -	MANUFACTURERS BULLETIN COMPLIANCE	RECORDS	
FNGINE SECTION:	WORK ORDER NO.	SERIAL NO.	

							***************************************
BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
3528 72 <b>-</b> 556	R	P3 AIR TAPPING HOLE WITH DRESSED CORNERS TO GIVE MAXIMUM AREA.					
3555 75-86	R+ 	CROSSOVER TUBE CENTER SECTION BOUND WITH STAINLESS STEEL BRAIDING.	REF.AD 68-17-5				
3560 72-549	R	CHROME PLATED ROTATING SEAL & TUFFTRIDED RING.			***************************************		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
3583 72-561	R	HP1&2 TURBINE DISCS WITH SCALLOPED DRIVING FLANGES.				***************************************	
3603 73-132	R	LP FUEL RETURN TUBE FROM IGV RAM TO FILTER WITH CENTER DISCONNECT.					
3637 72-610	R	GEARBOX RH FUEL BACKING PUMP DRIVESHAFT WITH DEEPER UNDERCUT.		000000000000000000000000000000000000000			
3546 72-572	A	LP TURBINE STAGE 1 DISC LOCATING SLEEVE WITH INCREASED DIAMETRAL SHAFT INTERFERENCE.					
3664 75-99	R	INCREASED BEARING CLEARANCE & PL94 APPLIED TO SPLINES.		•			
3684 72-585	Ř.	COOLING AIR COLLECTOR-MANIFOLD WITH EXTERNAL & INTERNAL PROTECTIVE COATING.			9		
3690 72-676	A	LP1 DISC ASSEMBLY SLEEVE END MACHINED FLUSH WITH HUB.					
3698 72-582	R	SHARP CORNERS RADIUSED TO PROVIDE FOR IMPROVED ANTI-CORROSION TREATMENT.					:

1		NA-4001-S	
١		SPECIFICATION	
	3		

REV.NO.

### REPAIR OR OVERHAUL SPECIFICATION AND COMPLIANCE RECORDS

11	28
PAGE	OF
Feb 12	1993

DATE

PART II -	MANUFACTURERS	BULLETIN COMPLIAN	ICE RECORDS		
10000000000000000000000000000000000000	***************************************			1 8 821 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
ENGINE SECTION:		WORK ORDER NO.		SERIAL NO.	

BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
-3700 72-614	A	REAR DUCT WITH SLIM LINE PROFILE & SIMPLIFIED SOLEPLATES.	<b>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</b>				
3767 75-94	R 	BLEED VALVE MECHANISM SUPPORT BRACKET DOWELS DELETED.					
3777 75-100	R+	FUEL HEATER AIR FEED TUBE WITH INCREASED END FLOAT.	N/A TO MOD 4391				******************
3790 72-566	R	WAISTED BOLTS TO SECURE ROTATING SEAL TO HP2 DISCS.					
3809 ) 72-578	R+	EXHAUST MIXER & THRUST REVERSER - THICKER CLAMP RING WITH BAULKING FEATURE.	C/W IF RECEIVED WITH ENGINE				
3816 72-608	R+	COVERS TO PARTIALLY SEAL OFF SLAVE LEVER BEARINGS.	SEE ALSO MOD 4621				
3858 72-597	A	HP COMPRESSOR FAIRINGS WITH BUSHED BOLT HOLES.					
3886 72-564	R÷	INTRODUCTION OF XRS 3663. TURBINE DISC LOCKPLATE GROOVE REPAIR.	ALSO SEE MOD 4911	•		***************************************	
3889 72-575	R	SEALING RING OF IMPROVED QUALITY AT FRONT BEARING HOUSING TO PUMP HOUSING JOINT.					
3892 72-599	R+	METERING AREAS ADJUSTED TO INCREASE AIR FLOW TO LP INTERSTAGE SEAL. (MUST BE C/W IN FULL EXCEPT MODS 4412/5870 MAY BE FITTED SEPARATELY).					
3904 72-583	A	EFFUSION COOLED DISCHARGE NOZZLE.					:
3916 72-636	R+	HP TURBINE BEARING OIL SEALING RING ASSEMBLY. C/W WITH CROSS KEY LOCATION & INCREASED AXIAL CLEARANCE FOR RING & RETAINING PLATE.	;				

			••••
		NA-4001-S	
AND SHAME OF THE PARTY OF THE P	WORK	SPECIFICATION	NO.
	2		

REV.NO.

12	*	28	
PAGE		OF	
, Feb	12	1993	
	DAT	Ē	

PART II -	MANUFACTURERS BULLETIN COMPLIANCE	ERECORDS	
ENGINE SECTION:	WORK ORDER NO.	SERIAL NO.	

BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW :	N/A	N/R
3 <u>9</u> 17 72–600	A	LP2 ROTOR BLADE WITH THICKENED ROOT.			***************************************		***************************************
3929 72-627	Α	THICKER FLANGE ON NGV SUPPORT RING FOR LP TURBINE INTERSTAGE SEAL SECURING BOLTS.					
3931 80-37	R+	IGNITER SLEEVE BOLT IN LINER SPRAYED WITH METCODOY 2.	C/W AS REPAIR ONLY				
3934 72-580	R	DELETION OF TUFFTRIDING & SILVERPLATE FROM HP STATOR VANES & CASE & PL-101 APPLIED.		:			
3971 72-639	A	EXTERNALLY ACCESSIBLE ADJUSTABLE INTERNAL STOP FOR HP COMPRESSOR IGVs.			***************************************	1	
4012 72-622	A	DIFFUSER CASE HIGH PRESSURE CENTER BEARING VENT TUBE WITH RECTANGULAR SECTION SEALS.					
4026 72-616	R+	LP OGV SEGMENTS SECURED WITH 0.025" UNF BOLTS.	C/W MOD 5270			· ·	
4196	A	HP2 & LP1 NGVs SUPPORT RING WITH THICKER LOCATING GROOVE WALLS.		. ,,			
4243 72-646	R+	HP IGV INTERNAL STOP MECHANISDM WITH INCREASED CLEARANCE CAMSHAFT & SPRING LOCKING PLUNGER.	C/W ON MOD 3971 STD. ONLY		!		
4260 72-626	R	HP2 TO 7 BLADES WITH CHAMFERED LEADING EDGE TIP.	,				-
4265 72-642	A	INTERCONNECTOR STUB PIPES SLIDING MEMBER WITH MODIFIED LIP.	,			•	

. NA-4001-S
WORK SPECIFICATION NO.

## REPAIR OR OVERHAUL SPECIFICATION AND COMPLIANCE RECORDS

13		28
PAGE	•	OF
Feb	12	1993

DATE

ISS.NO. REV.NO.

PART II -

ENGINE SECTION:

202		
•	MANUFACTURERS BULLETIN COMPLIANCE RECOR	DS
!	WORK ORDER®NO	SERTAL NO.

BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
4282 72-629	A	ANTI-ICING MANIFOLD OUTLET CONNECTION IN S607.					
4295 76-25	A	RELAY & SOV CONTROL RODS WITH INCREASED LENGTH RIVETS.				***************************************	
4340 72-643	R+	STAGE 2 TO 12 BLADES & DISCS PAINTED & WET ASSEMBLED WITH LP101.	ASSEMBLY				
4362 72-752	A	INCREASED LENGTH DOWELS FOR ACCESSORY RAFT SUSPENSION BRACKETS.					
4391 75-128	A	FUEL HEATER RIGID AIR FEED TUBE REPLACED BY A FLEXIBLE AIR FEED HOSE.					-
4398 72-692	R	CASE FRONT FLANGE DRAIN SLOTS REPLACED BY DRAIN HOLES.					
4411 75-126	A	VIBRATION DAMPED FLEXIBLE MOUNTING FOR ANTI-ICING VALVES.					and the second s
4412 72-718	R+	STRENGTHENED HP STAGE 2 TURBINE DISC LOCATION SLEEVE WITH THRUST WASHER DELETED.	or MOD 5870 or 6142	.,			
4422 72-702	R+	HP INLET GUIDE VANE OPERATING TRUNNIONS IN BRONZE/PTFE MATERIAL INSTEAD OF 'TUFNOL'.	OR MOD 5584				
4424 72-690	R	HP COMPRESSOR IGV PIVOT BUSHES IN 'VESPEL' MATERIAL.				<b>*************************************</b>	
4443 79-11	R	DELETION OF OIL TANK OVERFILL STAND TUBE CLIPPING.					-
4454 72-652	R+	AVICA CLAMPS WITH IMPROVED NON- CORRODIBLE FAIL-SAFE LINKS.(C/W ON FUEL SYSTEM CLAMPS).		•			

•	NA-4001-S	_
WO	RK SPECIFICATION NO.	
_		

REV.NO.

14			28	
PAGE			OF	
•	Feb	12	1993	
//		DAT	<b>E</b>	

PART II -	MANUFACTURERS BULLETIN COMPLIANCE RECORDS		
ENGINE SECTION:	WORK ORDER NO.	SERIAL NO.	·

BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/
4456 72 <b>-</b> 688	R	HP THRUST BEARING OIL SCAVENGE TUBE WITH SPHERICAL NIPPLE SEAL AT OIL SUMP.		annomono e si massi		,	
4457 75-111	R	QUILLSHAFT SUPPORT BODY THRUST WASHERS SECURED WITH 'ECCOBOND'.					
4469 72-657	R+	LP COOLING AIR OUTLET OIL TRAP.	ALSO C/W MOD 4734				
4474 72-685	R	REVISED BUILD TECHNIQUE FOR STAGE 1-11 HP ROTOR DISCS.	ASSEMBLY				
4496 72-671	R	BEARING OIL FEED TUBE WITH INTERGRAL SPIGOT AT SPLIT CONNECTOR.					
4506 72-672	A	BEARING SUPPORT SPOKES WITH THIN WALLED CAST END PIECES.					
4526 72-683	R	HP TURBINE SHAFT LOCKING PLUNGER SPRING IN S/SW MATERIAL.					
4536 72-673	R	DELETION OF LINER/DISCHARGE NOZZLE RIGHTHAND ANCHOR NUT & BOLT.					
4540 72-715	м	STAGES 2 TO 3 ROTOR DISCS WITH INCREASED THICKNESS DIAPHRAGM.					
·	R -	STAGES 4 TO 5 ROTOR DISCS WITH INCREASED THICKNESS NECK & DIAPHRAGM.					
4541 72-706	R	STRENGTHENED STAGES 10 & 11 ROTOR DISCS WITH STAGE 10 & 11 SPACER TO SUIT.					
<b>4577</b> ∴	R+	INCREASED INTERFERENCE BETWEEN LPC FRONT BEARING RACE & HOUSING.	ALSO C/W MOD 4990				-
4590 72-679	R+	APPLICATION OF 'NICROCOAT 4' TO DISCHARGE NOZZLE INNER WALL.	C/W XRS 3751 IF REPAIR REQUIRED				

•	NA-4001-S	
WORK	SPECIFICATION	NO.
2		

REV.NO.

ISS.NO.

### REPAIR OR OVERHAUL SPECIFICATION AND COMPLIANCE RECORDS

15		28	
PAGE		OF	
Feb	12	1993	

DATE

			· · · · · · · · · · · · · · · · · · ·			
PART II -	MANUFACTURERS BULLETIN COMPLIANCE RECORDS					
	WORK ORDER NO.	SERIAL NO.				
ENGINE SECTION:	WORK ORDER NOT SEE	SERIAL NO.				

and the second s			Magazia di 1903 di Abasa Asa 1	ile da 1		in the second	*
BULLETIN	CAT		REMARKS	C/W	PCW	N/A	N/R
4621 72-699	R	BLEED VALVE SLAVE LEVER BEARING INNER DUST COVERS WITH ANGULAR LOCATION FEATURE.					
4629 72-691	R+ 	MODIFIED BRACKET FOR ATTACHING BACKING PUMP TO FCOC LP FUEL FEED PIPE CLIP.	C/W ONLY IF MOD 3176 PCW				
4669 75 <b>-</b> 125	R	P3 AIR TUBE WITH FLEXIBLE SECTION & UNION CONNECTIONS.		den a l'angle de l'ang			
4697 72-724	R	INCREASED DIAMETER BOLTS SECURING AIR DEFLECTOR PLATE TO STAGE 12 SEAL SUPPORT.	20,000,000,000,000,000				· · · · · · · · · · · · · · · · · · ·
4701 72-700	A	STAGE 1 ROTOR DISC - INTRODUCTION OF A REPAIR SCHEME TO RECLAIM THE RETAINING PLATE GROOVE.					-
4709 72-727	R+	SHOTPEENING OF DOVETAIL ROOTS. STAGES 2-12 HP BLADES.	C/W XRS 3991		-		
4718 71-126	R	REVISED FUEL DRAINS SYSTEM TO PREVENT FLOODING OF THE FUEL FLOW REGULATOR CAPSULE HOUSING.					
4719 72-714	R+	ALTERNATOR EJECTOR VALVE SUPPORTING BRACKET WITH REVISED LOCATING SADDLE.	C/W ONLY IF MOD 4308 C/W ON VALVE			ing parameter and a second	
4734 72-717	R+	OIL TRAP WITH MODIFIED DRAIN TUBE. HP TURBINE CASING LOWER SUPPORT STRUT	SEE MOD 4469	,	· ·		
4736 72-749	R	ORIFICE PLATE FITTED AT SPLIT CONNECTION OF INTERNAL WHEEL CASE TO DRAINS TANK VENT PIPE.					
4765 72-711	R	HP TURBINE BEARING SUPPORT, BEARING HOUSING & DIFFUSER CASE SECURED BY 0.250" DIAMETER WAISTED BOLTS.					:
4774 72-742	R+	STRENGTHENED OIL SEAL RING HOUSING & IMPROVED SEALING.					

•	NA-4001-S	
WORK	SPECIFICATION	NO,

REV.NO.

ISS.NO.

16	***************************************	28			
PAGE		of			
Feb	12	1993			
DATE					

PART II -	MANUFACTURERS	BULLETIN COMPLIANCE	RECORDS	
ENGINE SECTION:		WORK ORDER NO.	SERIAL	NO.:

BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
4775 72-729	R	ENGINE OIL PUMP WITH INCREASED HP TURBINE BEARING SCAVENGE CAPACITY.		ou====================================	-	om gramman meričisk kirinkiniski kiri	e e e e e e e e e e e e e e e e e e e
4789 72 <b>-</b> 712	R	DELETION OF GENERATOR & ALTERNATOR SHEAR-NECK QUILLSHAFT SOFT STOP BUSHES.					
4793 72 <b>-</b> 744	R	PIN-LOCATED AIR SEAL RING IN HAYNES 25 & MATING FACES OF SEAL HOUSING & SEAL SLEEVE COATED WITH METCOLOY 2.				-~	
4806 72-759	R+	HP2, LP1 & 2 GUIDE VANE SUPPORT RINGS WITH METCO 404 COATING ON FRONT FACE OR REAR LOCATING GROOVE.	C/W TO REPAIR ONLY				
4815 76-28	·R	THROTTLE RELAY LEVER PIN BUSH, WITH BUSHED INTERFERENCE & RETAINED BY LOCKTITE.					
4816 76-30	R	INCREASED CLEARANCE BETWEEN THROTTLE RELAY LEVER SPINDLE & LP COMPRESSOR CASE.					
4843 72-753	R+	INLET GUIDE VANES INTERNAL ADJUSTING MECHANISM GEAR LOCKING LEVER WITH REDUCED TOOTH LENGTH.	APPLIES TO MOD 3971, 4243 ONLY				
4847 72-755	R	STAGE 6 ROTOR DISC WITH INCREASED THICKNESS NECK & DIAPHRAGM.					
4855. 72-734	R.	AIR SUPPLY RESTRICTOR TO DC GENERATOR AIRBLOWN SEAL WITH INCREASED DIAMETER ORIFICE.			(		
4911 72-736	R÷	BLADE RETAINING PLATE WITH INCREASED RADIAL ENGAGEMENT & HAYNES INNER LOCATING STRIPS.	C/W XRS 3663 & MOD 3886 IF MOD 4911 NOT PCW				-
4965	R+	FUEL DRAINS BLANKED AT BY-PASS DUCT & HP SOC.	ALSO C/W MOD 5298				

		NA-4001-S	
ř	ORK	SPECIFICATION	NO.
-	2		•

REV.NO.

17		28
PAGE		OF
Feb	12	1993
	DATI	E

			· **
PART II - MAN	NUFACTURERS BULLETIN COMP	LIANCE RECORDS	
ENGINE SECTION:	WORK ORDER NO	SERTA	L NO.

BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
4977 72-790	R	STAGE 4,5 & 6 STATOR VANES WITH AERO- FOIL THICKNESS INCREASED AT OUTER END.				•	
4982 72-787	R	RUBBER WEIR FOR OIL RETENTION AT HP COMPRESSOR/INTERNAL GEARBOX SHAFT SPLINES.	ANGENING TO THE TOTAL THE				
4987 72-803	R	BEARING SUPPORT WITH GUIDE PLATES IN HAYNES 25 MATERIAL & THICKENED HAYNES 25 SLIDING BAND ON SPOKE FAIRINGS.	gramma ang sing philips (sing sing sing sing sing sing sing sing				
4990 72-772	R	IMPROVED FIT BETWEEN FRONT BEARING HOUSING & SUPPORT.	and the second area and the second and the second area and the second area and the second area and the second a				
4996 72-779	R	STRENGTHENED SUPPORT BRACKETS FOR OIL FEED & DRAIN TUBES.					
5000 72-785	R+	REVISED SETTING INSTRUCTION FOR HP COMPRESSOR INLET GUIDE VANE MECHANISM.	C/W ONLY IF MOD 3971 PCW. ASSEMBLY				
5021 72-771	R	AIR SUPPLY RESTRICTOR TO BREATHER AIR BLOWN SEAL WITH INCREASED VANE MECHANISM.					
5022	A	HP & LP COMPRESSORS - LP FRONT BEARING & HP THRUST BEARING OIL SEAL SLEEVES WITH PRE-FINISHED SEALING DIAMETER.		'•			
5023 75-129	R+ _	CROSS-OVER TUBE CENTER SECTION BORE MACHINED TO ACCOMMODATE HTE 4138 NON-RETURN VALVE.	N/R UNLESS MOD 4795 PCW.				
5039 72-770	R	THRUST BEARING REAR OIL SEAL WITH GROOVED STATIC MEMBER.					
5047 72-788	R	STRENGTHENED LOCKPLATE WITH BAULKING FEATURE FOR HP THRUST BEARING OIL RETURN TUBE.	-				

MUL	10	193	17:	11	AVIAL
	NA-	-400	i÷s		
WORK	SPE	CIFIC.	ATIO	H NC	).
3			174	/16/	931

REV.NO.

ISS.NO.

#### REPAIR OR OVERHAUL SPECIFICATION AND COMPLIANCE RECORDS

* FOREST PARK ENGINEERING

18 .	18-18-18-18-18-18-18-18-18-18-18-18-18-1	28 of	,
Feb	12	1993	
	DAT!	•	

The state of the s		A STATE OF THE PROPERTY OF THE
Control of the Contro	The state of the s	THE PROPERTY OF THE PROPERTY AND A PROPERTY OF THE PROPERTY OF
** ** * * * * * * * * * * * * * * * *	a service of a procession of a rest in the service of the service	A STATE OF THE PARTY OF THE PAR
	I SANTA CONTRACTOR OF THE STATE	ORNSEED
A CONTRACTOR OF THE PROPERTY OF THE PARTY OF	MANUFACTURERS BULLETIN COMPLIANCE REC	CIO CINCIPAL CONTRACTOR CONTRACTO
	MUNICIPAL DIES DE DES DE LA COMPANSION D	
The second secon	The state of the s	
and the second s	4 Contract Addition Contract C	SERIAL NO.
the second of th	TWORKTORDER TNO TEST	
The second supplied of the control of the best of the control of t	i kworkatorieranozani	
engine Section:		The second secon
THE TAIL TO STANK THE TAIL THE THE TAIL	I amount of the second of the	

. 8	ULLETIN	CAT	DESCRIPTION	REMARKS	₿ċ/w	PCW	SN/A	N/R
	5061 72-768	λ	STAGE 2 ROTOR DISC. INTRODUCTION OF REPAIR SCHEME TO RECLAIM BLADE RETAINING PLATE GROOVE.		namana pana makika meteoroti me		correnosation (del-del-del-del-del-del-del-del-del-del-	ensanskenskenskenskenskenskenskenskenskenske
	5062 72-799	A	MATERIAL OF TAPER BOLTS CHANGED FROM STEEL TO NIMONIC 90.				~*************************************	
	5073 72-782	R+	HP PILOT FUEL FEED TUBE RERUN TO SHUT- OFF VALVE FROM ALTERNATIVE CONNECTION ON FUEL FLOW REGULATOR.	CP 4407 REQUIRED ON FFR	ngennyagang p ^(A) -4480			
	5084 72-778	λ	MODIFIED SEAL CARRIER FOR LP TURBINE BEARING OIL FEED & RETURN CONNECTORS IN REAR BY-PASS DUCT.	, Majaran saaruu saataan saaruu s				yrkasiyyiiin kirataanaksi
	5097 72-797	A	DRIVESHAFT STRENGTHENED ADJACENT TO FORWARD OIL FEED HOLES.					***************************************
	5112 72-798	R+	DELETION OF RETAINING STRIPS FOR HP TURBINE BEARING ACCESS HOLE COVER SECURING BOLTS.	ALSO SEE MODS 5843 & 5987		·		
	5158 72-808	R	STATOR QUADRANTS WITH HAYNES 25 BUSHED & CHROMIUM PLATED DOWEL PINS.		aniskan dina kikin (Parista Parista) m		genggagaranggan ang cany cany c	
	5131	_R	LP COMPRESSOR - STAGE 2,3, & 4 STATOR QUADRANTS WITH INNER SHROUD RIVETS TACK WELDED TO SACKING PLATES.	a majayakuun kaca aman akki kaki ki k	·		,	
	5182 72-838	2	STAGE 1 STATOR QUADRANTS WITH DOWEL BOSSES HAVING INTEGRAL RIVETS.		••			
	5254 72-817	R.	LPT BEARING WITH REDUCED SNUBBER CLEARANCE.					
	5270 72-812	R	INTERNAL GEARBOX - LP COMPRESSOR OUTLET GUIDE VANE INNER FIXING BOLTS IN S/ABV MATERIAL.	on free free free free free free free fre			-	
	5273 72-818	R+	BLEED VALVE - STRENGTHENED ATTACHMENT LUGS.	SEE MOD 5474				
	5282 72 <b>-</b> 821	R+	HP TURBINE BEARING REAR SEAL HOUSING REDUCED IN THICKNESS.					

•	NA-4001-S	
 WORK	SPECIFICATION	NO.
2		

REV. NO.

19		28
PAGE	•	OF
Feb	12	1993
	DATI	7

PART II -	MANUFACTURERS BULLETIN COMPLIANCE RECORDS	
ENGINE SECTION:	WORK ORDER NO. SERIAL NO.	

			Manager and the second				
BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
5283 72-830	R	SERMETEL W ANTI-CORROSION TREATMENT HP DISCS & SPACERS.		***************************************	~~~	macemanican control (1970)	***************************************
5298	R+	REMOVAL OF MOD 4965 BLANKING PLATE.	ASSEMBLY	~		- Announcial de la Contraction	The second se
5315 76-34	R	EMERGENCY HP/SOC CABLE DISCONNECT PULLEY LOCKED BY SHEAR WIRE.		management (MAS)		**	
5342	R	INTRODUCTION OF RE-CIRCULATING NON- OVERBOARD FUEL DRAIN SYSTEM.		***************************************			
5390	R	OIL PUMP CENTER BEARING SCAVENGE BOBBIN WITH .071" DRAIN HOLE.					
5418 72-841	R	HP TURBINE BEARING & SUPPORT & DRAIN TUBE VALVES & FITTINGS COMBUSTION CASE WITH EXTENDED FUEL DRAIN SLOT BLANKING PLATE REPLACED BY NON-RETURN VALVE.					
5449	R	LPC BLADE PINS TEMPERED AT REDUCED TEMPERATURE.					
5474	R+	AIRFLOW CONTROL BLEED VALVE - BLEED VALVE WITH INCREASED FILLET RADIUS AT ATTACHMENT LUGS.	C/W IF MOD 5273 NOT PCW	•			
5475	R	HP COMPRESSOR STRENGTHENED 9 TO 10 SPACER.				<u> </u>	
5484	R	ENGINE DIFFUSER CASE DELETION OF HP COMPRESSOR STAGE 12 SEAL AIR DEFLECTOR PLATE.					
5490	R+	ENGINE EXHAUST MIXER JET PIPE TO EXHAUST MIXER RETAINING RING WITH CUTOUTS TO CLEAR JET PIPE BRACKETS.	IF RECEIVED				***************************************
5521	R	LP COMPRESSOR STATOR VANE LOCATING GROOVES COATED WITH SILASTIC OR SILCOSET RUBBER COMPOUND.	ASSEMBLY				

	NA-4001-S	
WORK	SPECIFICATION	NO.

20		28
PAGE		of
Feb	12	1993
	DAT	E

3	
	**************************************
ISS.NO.	REV.NO.

• •								 
								-KUM
							n Sang	
							EREC	
PART								

ENGINE SECTION: WORK ORDER NO. SERIAL NO.

BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
5546	R	AIR - AIRFLOW CONTROL REGULATOR & ACTUATOR - INTRODUCTION OF CONTINUOUS FUEL BLEED SYSTEM.					was new years and the same
5548	R	BY-PASS DUCT - REAR DUCT BLANKING SET- SCREW REPLACED BY GRUBSCREW.				omormona multividainis ( 4/100/ 4/100/	
5549	R+	HP TURBINE - RE-INTRODUCTION OF AIR SEAL ASSEMBLY TO SUIT FORGED STAGE 1 BLADES.	IF MOD 5834 C/W ONLY	**************************************			
5582 72-873	R	HP TURBINE - BEARING OUTER RACE KEYED TO BEARING HOUSING & WITH AXIAL TIP DELETED.					
5584	A	INTERNAL GEARBOX HP INLET GUIDE VANE OPERATING TRUNNIONS IN VESPEL SO21 MATERIAL. (C/W ON REPLACEMENT OR IN LIEU OF MOD 4422).					
5639 79-12	R	OIL FILTER - INTRODUCTION OF FILTER ELEMENT ANTI-ROTATION COMPRESSION WASHER.					
5649	R+	CONTROLS - THROTTLE CONTROL ROD WITH VIBRATION DAMPING SLEEVE.	S/S BY MOD 6022				
5673	R+	OIL SUMP & HP THRUST BEARING SECURED TO BEARING HOUSING WITH STUDS INSTEAD OF BOLTS.	ALSO C/W TI-127	• •		٠	
5674	A	TUBES - FUEL CONTROL UNIT TO FILTER RETURN TUBE RE-RUN TO CLEAR A FOUL.					
5675	R	HP TURBINE - SHAFT WITH THREADS DELETED FROM SECONDARY RETAINING DOGS.					
5729	R	OIL PUMP SCAVENGE BOBBIN FROM HP TURBINE BEARING WITH .052" DRAIN HOLE.					Ξ.
5731 72-881	A	TUBES - INTERNAL GEARBOX TO SCAVENGE OIL DRAIN TUBE RE-RUN.					

•	NA-4001-S	
WORK	SPECIFICATION	NO.

REV.NO.

21		28
PAGE	•	OF
Feb	12	1993

PART II -	MANUFACTURERS BULLETIN COMPL	iance: records:
ENGINE SECTION:	work order no	SERTAL NO.

BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
5819	R	FUEL - REPOSITIONED CLIPPING FOR FUEL DRAIN TUBE.					***************************************
5824	R 	HP TURBINE - STAGE 1 DISC WITH INCREASED BLENDING RADIUS ON FIRTREE BUCKET GROOVES.				, NO. 11 CO. 12 CO.	generatives con FFF in Fig. 2000
5851	R+	NOZZLE CASE - GUIDE VANE SUPPORT RINGS WITH METCO 404 ON REAR FACE OF LOCATING GROOVE.	C/W TO REPAIR ONLY				Name of the last o
5843	R+	BEARING & SUPPORT - ACCESS HOLE COVERS SECURED WITH ADDITIONAL BOLTS.	ALSO C/W MOD 5987				
5844	A	HP12C & TURBINE AIR SEALS WITH REDUCED CLEARANCE.	C/W ON REPLACE MENT ONLY		-	=	
5870	A	STRENGTHENED HP2T DISC SLEEVE.		- SWANOS (In Section 1)			
5916	R	COOLING AIR GUIDE TUBE SEALING RINGS IN VITON (E.60C) INSTEAD OF VITON (VE/HT).	ASSEMBLY				
5919	A	HPC VANES WITH IMPROVED SURFACE FINISH.	C/W TI-259				
5963 72-938	R+	REVISED SETTING INSTRUCTIONS FOR ALUMINUM VALVE.	C/W TI-323 ASSEMBLY		•	A A A A A A A A A A A A A A A A A A A	
5987 72~954	R	BEARING & SUPPORT - ACCESS HOLE COVERS WITH SHORTER BOLTS & WITH WASHERS DELETED.					WW 24,000
5991 72-960	R	STARTER IDLER GEAR FRONT BEARING OUTER RACE WITH INCREASED DIAMETER RETAINING STUDS.					-
6007	A	STAGE 2 HP TURBINE SEAL SEGMENTS WITH SEALING PLATES AT INTER-SEGMENT GAPS.					

NA-4001-S	
SPECIFICATION	

22		28	***
PAGE	,	OF	
Feb	12	1993	
	DAT	E	

ISS.NO.	REV.NO.

PART II -	MANUFACTURERS BULLETIN COMPLIANCE RECORDS	
ENGINE SECTION:	WORK ORDER NO.	SERIAL NO.

				Name of the control o		The last	e. Osganski -	
B	ULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
	6022	R+	RELAY LEVER TO FCU WITH INCREASED DIAMETER SCREW THREAD.	DELETE MOD 5649			www.wikianowahistocomography	
	6033	R+	STAGE 1 LPC STATOR QUADRANT WITH CHAM- FERED DOWEL BOSSES & LP ROTOR RE-SET.			Mills ship continues and the finite for the finite		
	6040	R	AIRFLOW CONTROL BLEED VALVE RE-INTRO- DUCTION OF BLEED VALVE OPERATING & SUPPORT LEVER BUSHES IN GLACIER MATERIAL (REMOVAL OF MOD 5866).					
ingum	6104	R+	HPC CASE PROTECTED WITH SERMETEL W.	IF PCW				
	6112	R	REVERSION TO PRE-MOD 6001 CONFIGURATION.					
	6114	R	FRONT MOUNT SECURING NUTS UNPLATED.					
	6116	R	LPIC VANE INNER SHROUD RIVETS TACK WELDED.					
	6121	CR	'TRANSPLY' COMBUSTION LINERS.				***	aymaanananana
	6142	A	HP2T DISC SLEEVE IN EFR MATERIAL.			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	6154	R	BLEED VALVE SPHERICAL BEARING HOUSING WITH ENLARGED BORE.					
	6162	R	HP1T BLADE LOCKPLATES WITH ANTI- FRETTAGE WIRE.					·
	6163	R	OIL PUMP LP TURBINE BEARING SCAVENGE BOBBIN WITH .052" DRAIN HOLE.		•		; ;	

NA-4001-S	
 SPECIFICATION	

23		28	
PAGE	OF		
Feb	12	1993	
	DAT	E	

same way		
ISS.	NO.	REV.NO.

PART II -

ENGINE SECTION:

ŀ		
ŀ	MANUFACTURERS BULLETIN COMPLIANCE	E RECORDS
Ť	[23/22/23/23/23/23/23/23/23/23/23/23/23/2	
	WORK ORDER NO	SERIAL NO.
٠,	barrana and and	CODECTAL NO.

BULLETIN	CAT	DESCRIPTION	REMARKS	c/w	PCW	N/A	N/R
6269	R	ZYLAN COATING OF LPC BLADE LUGS.					
6327	R+	STEEL LINERS IN FUEL ELBOW CONNECTOR.	OR XRS-3887		:		
				,			
					~~~		
						esegue, and	
						hamanus ann na shirin is shirin s	
	gas vensora and a management and a					·	
	_						
	um palkinisistä kiikisistä kirjantaisisten ka					and the second s	<u>-</u>
 					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	
					,		

 ,	NA-4001-S				
 WORK	SPECIFICATION	NO.			
3					

REV. NO.

24		28	
PAGE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	OF	
Feb		1993	
	DATI		

PART II -	MANUFACTURERS	BULLETIN COMPLIANCE RECORD	s	
ENGINE SECTION:	BLADE, TURBINE	WORK ORDER NO.	SERIAL NO.	

<u> </u>		\$45845 PAR		<u> </u>			(X)	
Bu	LLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
7	2970 2-581	R	HP1 BLADE WITH IMPROVED COOLING.  NOTE 1: IF MODIFICATION COMPLIANCE IS REQUIRED, A FULL SET OF MOD 5110, OR LATER STANDARD ARE TO BE INSTALLED. NOTE 2: S/S BY MODS 5086, 5098, 5070, 4976, 5110, & 5118.			***************************************		
	4921	R+	ALUMINIZED HP2T BLADES.	S/S BY MOD 5581				MWWWW
	5518	R+	HP1 TURBINE BLADES WITH INCREASED RADII ON ROOT NECK CORNERS.	C/W ON MOD 5110 STD.				
<b>2</b>	5581	Ř	HP TURBINE - STAGE 2 TURBINE BLADE WITH AIRFOIL PARTIALLY ALUMINNIZED.				ļ	
	5642	R+	HP TURBINE STAGE 1 BLADES WITH REDUCED CLEARANCE BETWEEN SHROUD INTERFACES.	C/W TI-034 (N/A TO MOD 5834 BLADES)	:			
	5834	CR	HPIT BLADES WITH REVISED AIRFOIL TO IMPROVE PERFORMANCE.	MIN. STD ON 511-8 & 511-10				
	6043	A	HPIT BLADES WITH INCREASED ROOT FLEXIBILITY.					
	6061	A	HP2T BLADES PRODUCED BY CREEP FEED GRINDING.					
	5892	R+	APPLICATION OF CABOT 694 (COASTMETAL 64) TO HP1 BLADE SHROUD INTERFACES.	C/W TI-034				
								***************************************

	NA-4001-S
WORK	SPECIFICATION NO.

25		28
PAGE		OF
Feb	12	1993
	DAT	₹

2	
ISS.NO.	REV. NO.

PART II -

MANUFACTURERS BULLETIN COMPLIANCE RECORDS

ENGINE SECTION: VANE, TURBINE WORK ORDER NO.

SERIAL NO.

	ation seems at		985.380.2800.2903	8 <b>25</b> 000	Ī.	878 F T T/N	- <b>1</b>
BULLETIN	CAT	DESCRIPTION	REMARKS	C/W	PCW	N/A	N/R
2347 72-395	R+	LP1 NOZZLE GUIDE VANES WITH STRENGTHENED FRONT OUTER LOCATION LIP.	R ON P-M 2055 ENGINES ONLY				<b>,,,,,,</b>
2734 72-433	R+	HP2 NGVs WITH CUT BACK LEADING EDGE.	C/W TO RECLAIM RUN VANES OR ON RE- PLACE- MENT ONLY				
3659 72-565	A	LP1 NGVS ELECTRON BEAM WELDING AT GROUP WELDS.	·				
3771 72-574	A	HP2 & LP2 NGBs ELECTRON BEAM WELDED.	,				
4021 72-680	R+	HP1 NOZZLE VANES WITH DOUBLE BULL- NOSED LEADING EDGE & GROUPED IN DOUBLE & TRIPLE ASSEMBLIES.	SEE MOD 5252			; ;	
5132 72-800	R	HP STAGE 2 NGVs ALUMINIZED ON AEROFOIL & PLATFORM SURFACES.					
5252 72-825	R	NOZZLE CASE - STAGE 1 HP NOZZLE VANES WITH FILM COOLING HOLES AT LEADING EDGE & NEW AIR GUIDE TUBE.	-			ì	
		•			•		
	*						
	200,000						

NA-4001-S	
 SPECIFICATION	

26	28
PAGE	OF

3 ISS.NO.

REV.NO.

Feb 12 1993

part II - Manufacturers	BULLETIN COMPLIANCE RECORDS	
ENGINE SECTION: BEARINGS	WORK ORDER NO	SERIAL NO.

BULLETIN.	САТ	DESCRIPTION	*REMARKS	C/W	PCW	N/A	N/R
2723 72-426	R+	HP COMPRESSOR FRONT ROLLER BEARING CAGE BAR INNER CORNERS REMOVED.	C/W BY RE- PLACING BEARING				
3040 72 <b>-</b> 504	R 	LOCATION BEARING WITH STRENGTHENED OUTER CENTERED RETAINER.		***************************************			
3598 72-696	A	HP BEARING SLEEVE IN RBD MATERIAL.					
4698 72-733	A	HIGH PRESSURE TURBINE BEARING SLEEVE WITH EXTENDED CHROMIUM PLATING.					
4844 72-751		BEARING WITH INCREASED DIAMETER RIVETS IN CAGE.					
5050 72-804 Pts.1&2	A	MAINSHAFT BALL & ROLLER BEARINGS WITH OUTER RACES IN ELECTROFLUX REMELTED (EFR) TOOL STEEL.					
5050 72-804 Pt.3	R	LPC THRUST (INTERSTAGE) BEARING IN EFR MATERIAL.		<u> </u>			
5582	Ř	HP TURBINE BEARING OUTER RACE KEYED TO BEARING HOUSING WITH AXIAL NIP DELETED.		••			
5831	R	LP COMPRESSOR INTRODUCTION OF FRONT ROLLER BEARING WITH CLEARANCE AT OUTER RACE LOCATION.					
5991	R	STARTER IDLER GEAR FRONT BEARING OUTER RACE WITH INCREASED DIAMETER STUDS.					
:							
			***************************************	f	nudicuses recommen		

•	NA-4001-S	
	SPECIFICATION	

27	28		
PAGE	OF		
Feb 12	2 1993		

ISS.NO. REV.NO.

DATE

ſ	1.00	keen oo a saadaa daa ka baaraa ka ka		autoria Albanda (1900)	
PART	III-	BULLETINS & WORK SPEC	CIFICATION COMPL	IANCERECORDS	
		2.22	Maria	<b>***</b>	A TO THE PROPERTY OF THE PARTY
ENGIN	E SECTION:	WORK	RDER NO.	SERIAL NO	

ſ .				Naky, or	80 · 79	grana w	5425 C
BULLETIN.	CAT	DESCRIPTION	#REMARKS	C/W	PCW	∵N/A∻	N/R.
AS-4018-S	R	AIR SUPPLY PIPE INSPECTION & REPAIR.	DPI/ ASSEMBLY				
TI-155	R 	INSPECTION OF BLEED VALVE BRACKET DOWELS.					
TI-235	R	INSPECTION OF CENTRAL OIL FEED SPIGOT HOUSING.			and the second discontinues an		
TI-259	R	SERMETEL 5380DP COATING OF HPC VANES.			onavenae maabinistiiddiisiiddiisiiddiisi	WANGO HISTORY CONTRACTORY	
TI-323	R	HARDNESS CHECK OF BLEED VALVE SPACERS.	SDI				
						:	
	**************************************						:
	and general references have accompanied to the					-	

	NA-4001-S	***************************************
WORK	SPECIFICATION	NO.

28	28
PAGE	OF

3 ISS.NO.

REV.NO.

Feb 12 1993 DATE

PART IV -	FAA AIRWORTHINESS DIRECTIVE COMPLIAN	CE: RECORDS
ENGINE SECTION:	WORK ORDER NO.	SERTAL NO.

ENGINE SECTIO		MOKK/ OKDEK/NO-//	SERTAL NO.		
				1	
AD NOTE NO.	CAT	DESCRIPTIONREMARKS	METHOD OF COMPLIANCE	рси С/и	N/R
68-17-05	м.	INSPECTION OF HP CENTER SECTION AIR DUCT - REMOVE MOD 3555 BRAID FROM THE P/N EU 29670A & ALL SUBSTITUTES. INSPECT TUBE FOR CRACKING OR DIS-OLORATION. REPLACE TUBE & BRAID IF FOUND DEFECTIVE. RE-INSTALL BRAID IF SERVICEABLE.	SP 75-86		
78-16-07	м	INSPECTION & MODIFICATION OF HP FUEL PUMP (ENSURE GD 119 OR GD 129 PUMP NOT INSTALLED).	SP 73-127 OR SP 73-212		
87-18-07	м	INSPECTION OF PRIMARY AIR SCOOPS.	SP 72-997		
				5	
			- CONTRACTOR CONTRACTO		-

#### SOW Attachment 2

NASA Specifications for Turbine Midlife and Calendar Life Inspections

for

Spey Engines Mk 511-8

Alarma Social		
	NA-4000-S	
WORK	SPECIFICATION	

2		17
PAGE		OF
Apr	28	1993
	DATI	3

	ISS.NO.	REV.NO.
•		
	•	ASSESSMENT OF THE PROPERTY OF

			22/20/20/20/20/20/20/20/20/20/20/20/20/2
			2888888888888888
	edental structions disassembly		200,000,000,000,000,000
PARILLE	CERCARD AND AND AND AND AND AND AND AND AND AN		14
			il.
		LEGICTAMPO NI	ASA
A CONTRACTOR OF THE PROPERTY O	SENGEN ESSERVALE NO.		
WORK OND A TOP			

	WORK TO BE PERFORMED	INSP
ITEM	WORK TO SEMPERCEDITIES	
1.	INSPECT OIL SCREENS, CHIP DETECTORS, & OIL FILTER.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
2.	REMOVE LPC ROTOR & DEBLADE COMPLETELY.	
3.	REMOVE LPC HALF CASES & VANES.	394444444444
4.	VISUALLY INSPECT LPC OGVs, & REMOVE IF MOD 5270 NOT PCW. (P/N K186114 BOLTS INSTALLED).	
5.	VISUALLY CHECK THE LPC REAR BEARING IN-SITU FOR OBVIOUS DAMAGE, & ENSURE THAT BEARING RETAINING NUTS ARE NOT LOOSE.	
6.	DISASSEMBLE FRONT BEARING HOUSING TO RE-PROTECT. ROUTE LPC FRONT BEARING & RACE FOR OVERHAUL INSPECTION & MOD 5831.	
7.	DISASSEMBLE THE TURBINE SUFFICIENTLY TO REMOVE ALL VANES & SEAL CARRIERS, THE HP1 & 2 TURBINE BLADES, THE HP TURBINE BEARING & SEAL, & THE HP DISCS & SHAFT. REMOVE THE HP2T DISC SLEEVE.	
8.	VISUALLY INSPECT LPT BLADES, DISCS, LOCKPLATES, & NGVS FOR OBVIOUS DEFECTS. DEBLADE OR ROUTE FOR REPAIR AS REQUIRED. REMOVE THE LP1T DISC SLEEVE IF DISPLACED.	
9.	DISASSEMBLE THE LP1 & LP2 NGV SUPPORTS.	
10.	DISASSEMBLE THE COMBUSTION LINERS & DISCHARGE NOZZLES, & REMOVE THE PRIMARY AIR SCOOPS.	
11-	DISASSEMBLE THE HPC ROTOR SUFFICIENTLY TO REMOVE THE AIR GUIDE TUBE. ROUTE THE INTERSHAFT THRUST BEARING FOR OVERHAUL INSPECTION.	
12.	DEBLADE & DEVANE HPC ASSEMBLY COMPLETELY.	equeración a como construcción de la construcción d
13.	DISASSEMBLE THE DIFFUSER CASE COMPLETELY. ROUTE THE CENTER BEARING FOR OVERHAUL INSPECTION.	
14.	DISASSEMBLE THE BLEED VALVE ASSEMBLY COMPLETELY FOR OVERHAUL INSPECTION. COMPLY WITH TI-155.	**************************************
) 15.	CHECK THE HPC FRONT BEARING RETAINING NUTS FOR LOOSENESS.	are a desired difference of the contract of th
16.	REMOVE THE HPC IGVs & THEIR OPERATING MECHANISM.	

NA-4000-S	
 SPECIFICATION	

REV.NO.

ISS.NO.

#### REPAIR OR OVERHAUL SPECIFICATION AND COMPLIANCE RECORDS

3	17
PAGE	OF

Apr 28 1993 DATE

•••	The second secon		
1.00			
627.1X		COMPANY TO THE PROPERTY OF THE	
I GAST			
55.73			
10.44			
50.35			
100.00			THE REPORT OF THE PARTY OF THE
13.00		100 M TN 6 20 E TR W 2000 F TO THE SECOND SE	NASA 1
180 V			
D. 12			

··· FTEM···	WORK #TO#BE# PERFORMED TINS	p.
17.	ROUTE THE FOLLOWING ACCESSORIES TO ACCESSORY SHOP FOR BENCH CHECK & COMPLIANCE WITH AS-4021-S UNLESS OTHERWISE INSTRUCTED BY WORK ORDER OR FORM 55J: 1. T6 T-COUPLE & J-BOX  2. LP GOVERNOR  3. FUEL CONTROL  4. EJECTOR PUMP  5. ANTI-ICE & EJECTOR VALVES  6. HP FUEL PUMP  ROUTE THE HP SHUT-OFF COCK FOR BENCH CHECK ONLY.  ROUTE THE ACA, RAM, & FUEL NOZZLES FOR OVERHAUL PER NA-AO-4004.	
18.	VISUALLY INSPECT IN-SITU THE RIGHTHAND GEARBOX SPLINED DRIVES TO THE HYDRAULIC PUMP, STARTER MOTOR & AC & DC GENERATORS. REMOVE DRIVES SHOWING SPLINE WEAR IN EXCESS OF .010".  NOTE: DO NOT REMOVE ANY PREVIOUSLY INSTALLED VESPEL INSERTS TO ACCOMPLISH THIS INSPECTION.	
19.	DISASSEMBLE THE MAIN OIL PUMP, ITS OIL PRESSURE RELIEF VALVE, & BOTH THE SYSTEM RELIEF & FILTER BY-PASS VALVES.	***********
20.	DISASSEMBLE THE LEFTHAND GEARBOX.	
21.	REMOVE THE EFSOC PLATE CENTRAL OIL FEED SPIGOT.	yourorann
22.	REMOVE THE REAR SUSPENSION LINKS & BEARINGS FROM THE EXHAUST CASE.	
23.	LOCALLY CRACK TEST THE INTERMEDIATE CASE TRUNNION MOUNT AREA (NDI).	v
24.	REMOVE BRAID FROM MOD 3555 HP AIR PIPES.	
25.	REVIEW PART II (SERVICE BULLETIN COMPLIANCE) & ENSURE SUFFICIENT DISASSEMBLY TO COMPLY WITH SERVICE BULLETINS SPECIFIED.	
		<u></u>

NA-4000-S WORK SPECIFICATION NO.

### REPAIR OR OVERHAUL SPECIFICATION AND COMPLIANCE RECORDS

4	17
AGE	OF

5 ISS.NO.

REV.NO.

Apr 29 1993

DATE

	SPRCIAL INSTRUCTIONS - WORK TO B	PERFORMED
WORK*ORDER NO:	engine serial no	CUSTOMER: NASA

TTEM	Werkstores Performes	function :	*TNSP
1.	CLEAN & CRACK TEST ALL REMOVED COMPONENTS & ALL MAJOR COMPONENTS WHICH HAVE BEEN COMPLETELY DISASSEMBLED. CRACK TEST ALL HPC BLADES, VANES, & DISCS & SPACERS.	•	
 2.	RE-PROFILE, CRACK TEST, & RE-PROTECT WITH PL205 ALL LPC BLADES & COMPLY WITH MOD 6269.		
 3.	CRACK TEST ALL LPC BLADE PINS.		
4.	RE-PROTECT LPC VANES & NOSE FAIRINGS WITH PL205.	heelikkelikun eelikeriteiristeisustetu vasan valuktiin suuras valuktiin suuras	
5.	RE-PROTECT LPC HALF CASES I/A/W XRS 5087.	~~~	
6.	RE-PROTECT THE FRONT BEARING HOUSING.		
7.	OVERHAUL INSPECT ALL REMOVED BEARINGS.	BEARING	
8.	OVERHAUL INSPECT HPC IGVs, THEIR OPERATING TRUNNIONS, & THEIR SUPPORT MEMBERS & BUSHINGS.		
9.	VISUALLY INSPECT HPC BLADES & VANES FOR FOD, CORROSION, WORN ABUTMENT FACES, OR WORN PLATFORM FEET.		
10.	VISUALLY INSPECT HPC DISCS FOR CORROSION & DEFECTS, PAYING PARTICULAR ATTENTION TO THE DOVETAILS. C/W MOD 5283, IF RE-PROTECTION IS REQUIRED.		_
11.	VISUALLY INSPECT ALL HPC SPACERS FOR WEAR OF THE FACES & CORROSION.		
12.	VISUALLY INSPECT HPC SHAFT TEETH & THREADS FOR CORROSION & DAMAGE.	<u> </u>	
13.	COMPLY WITH Sp72-997 ON THE PRIMARY AIR SCOOPS & INSPECT TO CURRENT OVERHAUL MANUAL STANDARDS.		
14.	OVERHAUL INSPECT THE BLEED VALVE & ALL OF ITS OPERATING HARDWARE. C/W TI-155 & TI-323.		:
15.	WEIGH BLEED VALVE LINK SPRINGS & ALL OIL SYSTEM RELIEF VALVE SPRINGS (EXCEPT OIL COOLER BY-PASS) TO OHM REQUIREMENTS.		
16.	OVERHAUL INSPECT & REPAIR THE COMBUSTION LINERS & DISCHARGE NOZZLES.		

***************************************		
	NA-4000-S	
WORK	SPECIFICATION	NO.

REV.NO.

5		17
PAGE		OF
Apr		1993
	DAT	2

The state of the s	K 1822 NEWS AND THE STATE OF TH		
. 60.22.24.60.00			
100 MM 100 MM	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	TIONNIANTONO NOTE NO DEL DED	
23 3 3 3 3 3			. G.CED
200	C		
THE R. L.		***************************************	• • • • • • • • • • • • • • • • • • •
12.50	\$3872835557655476556765666666666666666666		[20200000000000000000000000000000000000
	20000000000000000000000000000000000000		
	COCCURRENCE DE LA COCCURRENCE DEL COCCURRENCE DE LA COCURRENCE DE LA COCCURRENCE DE LA COCCURRENCE DE LA COCCURRENCE DE	ECOMATOR CARACTER AND AN ANALYSIS AND AN ANALYSIS AND AN ANALYSIS AND ANALYSIS ANALYSI	10000019S0000HHRCG000000000 NASA I
			100000000000000000000000000000000000000

ITEM	WORK:*TO:*BE.:₽ERFORMED:	* <b>FUNC</b> TION	INSP
		,	
17.	CRACK TEST & VISUALLY INSPECT THE COMBUSTION OUTER CASING FLANGE, OUTER FLANGE FACE, & CYLINDRICAL SECTION FOR EVIDENCE OF FRETTAGE, SCORING OF THE BORE, & CRACKING. REPROTECT, IF REQUIRED.		
18.	OVERHAUL INSPECT THE HPT BEARING SUPPORT & ITS COMPONENTS, INCLUDING AIR & OIL SEALS.		
19.	OVERHAUL INSPECT NOZZLE CASE & HP2 NGV SUPPORT.		
20.	OVERHAUL INSPECT HP1&2 TURBINE BLADES. RE-ALUMINIZE THE HP1 BLADES & PRE-MOD 5581 HP2 BLADES. OVERHAUL INSPECT HP1&2 NGVs.	MCA	
£ 21.	OVERHAUL INSPECT HP1&2 TURBINE DISCS, SHAFT, & SLEEVE.		
22.	CRACK TEST & VISUALLY INSPECT LP1&2 NGV SUPPORTS.		
23.	VISUALLY INSPECT LPT BEARING SUPPORT CONE & FAIRINGS FOR FRETTAGE & CRACKING.		
24.	CRACK TEST THE REAR SUSPENSION LINKS & THEIR MOUNTING LUGS ON THE EXHAUST CASE.	NDI	•••••••••••••••••••••••••••••••••••••••
25.	VISUALLY INSPECT THE EXHAUST MIXER FOR CRACKING & THERMAL DETERIORATION.		
26.	26. VISUALLY INSPECT REAR BY-PASS DUCT FOR FRETTAGE & WEAR, ESPECIALLY AT THE SOLEPLATE LINERS.		
27.	VISUALLY INSPECT ALL EXTERNAL PIPES & FITTINGS.	<u> </u>	
28.	X-RAY INSPECT DIFFUSER CASE P3 MANIFOLD WELDS SECURING THE AIR OFFTAKE PIPES, THE FOUR OIL TUBE SUPPORT BOSSES AT BDC, & ALSO AT ANY EXISTING REPAIR WELDS. FILMS FROM THESE INSPECTIONS ALONG WITH ANY FOR NEWLY INCORPORATED REPAIRS ARE TO BE PROVIDED TO SPEY CUSTOMER SERVICE FOR REVIEW BY NASA.	Ì	
29.	VISUALLY INSPECT DIFFUSER CASE FOR DEFECTS.		
30.	DIMENSIONALLY INSPECT LEFTHAND GEARBOX GEAR JOURNALS, & PLAIN BEARINGS TO OHM FITS & CLEARANCES 'REFERENCE DIMENSIONS'.		•
31.	OVERHAUL INSPECT MAIN OIL PUMP COMPONENTS TO OHM FITS & CLEARANCES 'REFERENCE DIMENSIONS'.		

NA-4000-s	
 SPECIFICATION	

6	17
PAGE	OF

ISS.NO. REV.NO.

Apr 28 1993 DATE

PART:I - S	PECIAL INSTRUCTIONS - WORK TO BE PERFO	PRACE
WORK ORDER NO:	ENGINE SERTAL NO.	customer: Nasa

· · ITEM	WORKSTOSBE#PERFORMED	PUNCTION	:INSP
32.	INSPECT CENTRAL OIL FEED SPIGOT HOUSING PER TI-235.	yasganaenamumamaenaenaenidankii/TV/22/2019/	,
33.	VERIFY PART NUMBERS & SERIAL NUMBERS OF ALL EXPOSED GROUP 'A' COMPONENTS & ENSURE THAT THE REMAINING LIVES SPECIFIED ARE COMPATIBLE WITH THE MINIMUM BUILD OF THE ENGINE.		
34.	VISUALLY INSPECT LPC DRUM EXPOSED PIN BORES & FLANGES FOR CORROSION PRODUCTS, METAL TRANSFER & UPSET METAL, & FLUSH OR POLISH AS REQUIRED.		
35.	RE-ASSEMBLE & BALANCE ALL ROTORS.	ASSEMBLY	
36.	ENSURE THAT THE 100% REPLACEMENT BOLTS OUTLINED IN STANDARD PRACTICES SECTION 70-23 ARE REPLACED WITH NEW.	ASSEMBLY	
37.	COMPLY WITH SERVICE BULLETINS LISTED IN PART 11 OF THIS SPECIFICATION UNLESS OTHERWISE INSTRUCTED BY WORK ORDER OR FORM 55J.	ASSEMBLY	
38.	TEST THE ENGINE TO CURRENT OHM REQUIREMENTS. ADDITIONALLY, ENSURE THAT N2 VS. THRUST FALLS WITHIN THE LIMITS OF NASA DWG NO.20650002, REV.A (PART V OF THIS SPECIFICATION).	TEST	
39.	AT ENGINE TEST, ENSURE A MINIMUM OF 3 PSI MARGIN EXISTS FOR HOT ENGINE OIL PRESSURE. ADVISE ENGINEERING IF THIS CANNOT BE MET.	TEST	
-			no provincement of the
			,
			- Landerson - Contraction - Co

 NA-4000-S	
SPECIFICATION	NO.

7	17
PAGE	OF
Apr 28 199	3

DATE

5	······································
ISS.NO.	REV.NO.

PART -11 -

ENGINE SECTION:

		DESCRIPTION	REMARKS **	e∧/a÷			-M/D
BUIGLETIN	i car I						33. 16. 23. 1 
3889	R	FRONT PUMP SEAL OF IMPROVED MATERIAL.	***************************************	·		·····	
4990	R	INCREASED INTERFERENCE BETWEEN FRONT BEARING SUPPORT & HOUSING.			*******************************		
5158	R	STATOR QUADRANTS WITH 'HAYNES 25' BUSHES & CHROMIUM PLATED DOWEL PINS.	:				
5181	Ř.	STATOR QUADRANTS WITH TACK-WELDED RIVETS.		\		<u></u>	V-14-000-000-000
5182	R	STAGE-1 STATOR QUADRANTS WITH DOWEL BOSSES HAVING INTEGRAL RIVETS.				ganggappyna mawasanya mmanya mmanya mma	**************************************
5270	R	LP OUTLET GUIDE VANE INNER FIXING BOLTS IN S/ABV MATERIAL.					······
5449	R	BLADE PINS TEMPERED AT REDUCED TEMPERATURE.					
5521	R	STATOR VANE GROOVES COATED WITH SILASTIC OR SILCOSET.	ASSEMBLY	\$\$	00/000040000000000000000000000000000000	Canada and control	~~~~
5831	R+	FRONT ROLLER BEARING WITH CLEARANCE AT OUTER RACE LOCATION, S/B Sp72-892.	BEARING				
6033	R	STAGE-1 STATOR QUADRANTS WITH CHAMFERED DOWEL BOSSES & LP ROTOR RE-SET.					
6116	R	LPIC VANE INNER SHROUD RIVETS TACK WELDED.		•	(		
6269	R	LPC BLADES WITH 'ZYLAN' COATING.	-				
- TOTO TO THE TOTO TH							
	<u> </u>		· ·				
<i>₩</i>							
		•	•				

NA-4000-S						
WORK	SPECIFICATION	NO.				

REV.NO.

ISS.NO.

8		17
PAGE		OF
Apr	28	1993
	DATI	₹

α.	
٠.	
A 194	
10	THE STATE OF THE S
	-a-m tt
100	ATON - WANTER THE ATON BUILDING CONFIDENCE AT COLUMN
7.74	PART : : MANUFACTURERS * BULLETIN * COMPLIANCE * RECORDS
10.0	
200	
200	
	AND TATELY CONTROLLED COMPORES IN EMPERICAL REPORTS AND

80	JESETIN .	CAT	DESCRIPTION	REMARKS	°C/W	*PCW	N/A	N/R
	2789	R	HP1C BLADE IN TITANIUM WITH BUSH PIN HOLES.		-			
	3071	R	HP1C BLADE RETAINING PINS WITH REDUCED CLEARANCE.		nananananananananan	·		)
	3116	R	STRENGTHENED 8-9 & 11-12 DISC SPACERS.					William Market Charge Wilder, 1993 and
	3444	Ř	HP STAGE-4 BLADES WITH CUT BACK LEADING & TRAILING EDGES.		`.		<b></b>	***************************************
	3664	R	BLEED VALVE INCREASED CLEARANCE & PL94 APPLIED TO SPLINES.					
	3767	R	BLEED VALVE MECHANISM SUPPORT BRACKET DOWELS DELETED.		***************************************	·	*************************	7
	3816	R	COVERS TO PARTIALLY SEAL OFF LEVER BEARINGS.					
	3922	R+	NI-CAD COATING OF HPC VANES & CASE.	APPLY TO CASE ONLY	÷			
	4260	R	STAGES 2-7 BLADES WITH CHAMFERED LEADING EDGES.					
	4340	R	STAGES 2-7 WET ASSEMBLED.	ASSEMBLY				
	4422	R+	HP INLET GUIDE VANE OPERATING TRUNNIONS IN BRONZE/PTFE MATERIAL INSTEAD OF 'TUFNOL'.	OR MOD 5584	•			
	4424	R	HP INLET GUIDE VANE PIVOT BUSHES IN 'VESPEL' MATERIAL.			<u>}</u>		
	4474	R	REVISED BUILD TECHNIQUE FOR STAGES 1-11 DISCS.	ASSEMBLY				
	4540	М	STAGES 2 & 3 ROTOR DISCS WITH INCREASED THICKNESS NECK & DIAPHRAGM.					-
		R	STAGES 4 & 5 ROTOR DISCS WITH INCREASED THICKNESS NECK & DIAPHRAGM.	:				

NA-4000-S					
WORK	SPECIFICATION	NO.			

9	17
PAGE	OF
Apr 28	1993
/ DAT	re

l		ISS.NO.	REV.NO.
3	`,		
	٠		***************************************

PARE II - FMANUFACTURERS	BULLETIN-COMPETAN	ice-records
ENGINE SECTION: HP COMPRESSOR	WORK ORDER NO. 8	SEPTAL/NO/
CONT'D		

BULKETIN	CAT	DESCRIPTION ·	REMARKS	(SL2)/W		N/A	N/R
4541	R	STRENGTHENED STAGES 10 & 11 ROTOR DISCS WITH STAGE 10 & 11 SPACER TO SUIT.					
4621	R	BLEED VALVE LEVER INNER DUST COVERS WITH LOCATION FEATURE.			entra er un round (name de la constante de la c		
4697	R	INCREASED DIAMETER BOLTS SECURING DEFLECTOR PLATES, S/B Sp72-724.					
4709	Ř	STAGES 2 TO 12 ROTOR BLADES WITH SHOT- PEENED DOVETAIL ROOTS, S/B Sp72-727.					
4847	R	STAGE-6 ROTOR DISC WITH INCREASED THICKNESS NECK & DIAPHRAGM, S/B Sp72-755.					
4977	R	STAGES 4, 5, & 6 STATOR VANES WITH AEROFOIL THICKNESS INCREASED AT OUTER END, S/B Sp72-790.					
5273	R+	BLEED VALVE WITH STRENGTHENED ATTACH- MENT LUGS, S/B Sp72-818.	SEE MOD 5474	-			
5474	R+	BLEED VALVE WITH INCREASED FILLETS RADIUS AT ATTACHMENT LUGS, S/B Sp72-849.	IF MOD 5273 NOT P/C/W				
5484	R	DELETION OF HP COMPRESSOR STAGE 12 SEAL AIR DEFLECTOR PLATE, S/B Sp72-856.		**			
5584	A	HPC IGV TRUNNIONS IN SP21 MATERIAL.			V2/***	•	
5673	R	CENTER BEARING SUMP SECURED BY STUDS.					~~~
5916	R	COOLING AIR GUIDE TUBE SEALING RINGS IN VITON(E.60C).	ASSEMBLY			····	
5963	R	BLEED VALVE - REVISED SETTING IN- STRUCTIONS FOR ALUMINUM VALVE.	ASSEMBLY;	•			

	NA-4000-S		
WORK	SPECIFICATION	NO.	

REV.NO.

ISS.NO.

10	17
PAGE	OF
Apr 28	1993
DAI	E

• •	1			
٠.				THE RESERVE OF THE PARTY OF THE
Α.				
. 47				
133		&MEHIOLOUTUURNESERIMEHTOROATV	I A C K K LI IN IS	
366	PART II			
777		Towns and the second se		CONTRACTOR
100				•
30.0				
230.	ANATHER COMPANIANT UP COMPARESOD	CONTRACTOR OF THE PARTY OF THE	Language of the second	
880	OMOTNESSESSESSES HP COMPRESSOR	183WC) R K 85C0 M 19 F2 H 88 TRU 48 88 1	\$300°-545° P40 \$465° P40 \$	
3.00	DIVINION DIDUCTION IN CONTRACTOR			
-53				

		CON D.					
BULLETIN	CAT	DESCRIPTION	REMARKS	g/w	PCW"	SN/A	N/R
6040	R	DELETION OF MOD 5866.		opianes and a second	***************************************	) ann ta can a	www.www.www.www.www.www.www.www.www.ww
6154	R	BLEED VALVE SPHERICAL HOUSINGS WITH ENLARGED BORE.	***************************************	annual annual principal annual and the second of the secon	мітасонамуннуют		
TI-081	R	BURNISHED BLADES & VANES.				****	
TI-155	R	INSPECTION OF BLEED VALVE DOWELS.					
TI-259	Ř	SERMETEL 5380DP COATING.				***************************************	
)			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	**************************************	***************************************	**************************************
				an a		profittion (mission freeze value	
			-				
						e construcción de la construcció	200.
				· .			
	1				4	<u>'-</u>	
					1		
•						·	-
<u> </u>							
					THE PROPERTY OF STREET, STREET	-	

NA-4000-S				
WORK	SPECIFICATION	NO.		
5				
ISS.NO.	REV	NO.		

11	17
Page	OF
Apr 28	3 1993
DA'	TE

PART II - MANUFACTURER	s Bulleten Compreance T	PECORDS:
engine section: Combustion	Work order no.	SERTAL: NO.

			•				
BULLETIN	CAT	DESCRIPTION	REMARKS	sc/#:	*PCW	N/A	N/R
3279	R	COMBUSTION LINER TO DISCHARGE NOZZLE BOLTS TACK WELDED.	ASSEMBLY				
3281	R	INTERFERENCE FIT OF INTERCONNECTORS.		:			
4536	R	DELETION OF LINER/DISCHARGE NOZZLE RIGHTHAND ANCHOR NUT & BOLT, S/B Sp72-673.					
TI-114	R	DISCHARGE NOZZLE INNER SEGMENT BOLTS TACK WELDED.	ASSEMBLY	***************************************	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	·	www.manageneral.com
Sp72-997	м	PRIMARY AIR SCOOP INSPECTION.	AD 87-18-07			***************************************	
							-
				)			
					:		
·				***************************************		7	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•					
				***************************************		*	***************************************
	•			······································			
<del>- 77</del> 0							***********************
÷.		÷			************************************		
	***************************************		-	·		·	•
	***************************************		A COLUMN TO THE PROPERTY OF TH	•••••••••••••••••••••••••••••••••••••••	emifedeemelysiselysemidelesiselyedee		***************************************

	NA-4000-S	
WORK	SPECIFICATION	NO.
5		
ISS.NO.	REV	. NO .

12 .		17
PAGE	915171 THE	OF
Apr	28	1993
SEAN SEASON SEAS	DATI	2

THAT THE SECTION HP TURBINE		

BULLETIN	*CAT	DESCRIPTION	REMARKS	~c/##	PCW :	N/A	N/R
2970	R	HP STAGE-1 BLADE WITH IMPROVED COOLING & LARGER NIMONIC BOLTS AT HP STAGE-1 NOZZLE VANES LOCATION.	MCA				
3886	R+ 	REPAIR SCHEME TO RECLAIM THE HP STAGE-1 ROTOR DISC WHEN THE BLADE RETAINING PLATE LOCATION GROOVE IS WORN.	REPAIR ONLY				
4021	R+	HP STAGE-1 NOZZLE GUIDE VANES WITH DOUBLE BULL-NOSED LEADING EDGE & GROUPED IN DOUBLE & TRIPLE ASSEMBLIES.	SEE MOD 5252 MCA			~~~	<b>3-1-11-1-11-11-11-11-11-11-11-11-11-11-1</b>
4363	R	FLOW CHECK FOR HPT BEARING OIL JET.					
4412	R+	STRENGTHENED HP STAGE-2 TURBINE DISC LOCATION SLEEVE WITH THRUST WASHER DELETED.	N/A IF MOD 5870 OR 6142 C/W				~~
. 4469	R+	LP COOLING AIR OUTLET OIL TRAP.	ALSO C/W MOD 4734		Magazina ya Karania ya Karania ya Karania ka		
4496	R	HPT BEARING OIL FEED TUBE WITH INTEGRAL SPIGOT AT SPLIT CONNECTOR.		nezawane anno 400000000000000000000000000000000000	W		
4701	R+	REPAIR SCHEME TO RECLAIM THE HP STAGE-1 ROTOR DISC WHEN THE BLADE RETAINING PLATE LOCATION GROOVE IS WORN.	REPAIR ONLY	•	~~~		
4734	R	LP COOLING AIR OUTLET OIL TRAP WITH MODIFIED TUBE.		and the second s			
4765	R	HP TURBINE BEARING SUPPORT, BEARING HOUSING & DIFFUSER CASE SECURED BY 0.250 INCH DIAMETER WAISTED BOLTS.					
4774	Ř+	HPT BEARING WITH STRENGTHENED OIL SEAL RING HOUSING & IMPROVED SEALING.	ALSO C/W EB-001 BEARING			}	:
4921	R+	ALUMINIZED HP2 TURBINE BLADES.	SEE MOD 5581				

1	וווי	13	,33	17:09	BATHL	*	FUREST	ŀ	<b>゚</b> ゚ <del>゚゚</del>	ドルアルス	LLF	(Tille::::
1		NA-	-400	0~s			REPAI	R	OR	OVERH	IUA	SPE
	WORK	972	CIFICA	ON HOLL	•				СОЖ	A PLIAN	ND CE	RECO
	5		;	1 (6/10/9	3)							

REV.NO.

ISS, NO.

13 .		17	
Page	OF		
Apr	28	1993	
	DAT1	<b>E</b>	

	Madúracturers	BOLLEPINGGORPLIANC	P. B.B.CCCHTS#	
enginessections.	HP TURBINE CONT'D:	EPORSEORDEH: NO.	SERTAL INC.	

0:11:73	vania (	CAT	- DESCRIPTION	PENARKS				100 100
[[						juana Sada T	100.076	igach/Aha
525	52	R	STAGE-1 HP NOZZLE VANES WITH FILM COOLING HOLES AT LEADING EDGE & NEW AIR GUIDE TUBE.	нса				
528	32	R+	HPT BEARING WITH STRENGTHENED OIL SEAL RING HOUSING & IMPROVED SEALING.	ALSO C/W EB-001				
558	1 .	R	PARTIALLY ALUMINIZED HP2T BLADES.	мса				
558	2	R	HPT BEARING OUTER RACE KEYED TO HOUSING & WITH AXIAL NIP DELETED.	BEARING				
564	2	R+	HP1 BLADES WITH REDUCED SHROUD CLEARANCE.	C/W TI-034 MCA		:		
<i>)</i> 582	4	R	HP1 DISC WITH INCREASED BLENDING ON BUCKET GROOVES.			The continuous and the continuous		
584	3	R	HAND HOLE COVERS WITH ADDITIONAL BOLTS.	on the contract of the contrac				
587	0	A	HP2T DISC SLEEVE STRENGTHENED.					
589:	2	2.+	HPIT BLADES WITH CABOT 694 ON SIDEFACES.	C/W TI-034 MCA			•	
598	7	R	HAND HOLE COVERS WITH 'D' WASHER DELETED.		•			
6112	2	R+ -	DELETION OF MOD 6001.	IF MOD 6001 EMBODIED	·			
6142	2	A	HP2TD SLEEVE IN EFR MATERIAL.					
6162	2	R	HPIT BLADE LOCKPLATES WITH ANTI- FRETTAGE WIRE.					-
Austria Andria Service			ren en de la fill de l	o maintaigh the Palaista bhailteann ann ann ann ann ann agus ann agus ann agus ann agus ann agus ann agus ann a	***************************************	***************************************		

-אמ	4000-3
WORK SPEC	IFICATION NO.
4	
ISS.NO.	REV.NO.

14	***************************************	17	
PAGE ,		OF	
Apr	28	1993	
	DATI	E	***************************************

٠.			SELUTION TAY OF THE TAYON OF		
	RITTI -	manupacturer:	S Bulletin Compliance re	CORDS	
80		·			
	INGINE SECTION:	LP TURBINE	WORK ORDER NO.	SERTALPNO.	

		Technological Control of the Control					<u> </u>
*BUELETHN	CAT	DESCREPTION	*REMARKS	c/w	PEW	≥N/A*	N/R
Sp72-1023	R	LPT SHAFT SPLINE INSPECTION.			•		
Sp72-1025	R	LPT DISC & INTERSTAGE SEAL INSPECTION.	·				
4996	R	LPT OIL FEED & SCAVENGE TUBE BRACKETS STRENGTHENED.	•				
5254	R	REDUCED CLEARANCE AT LPT BEARING SNUBBER.					
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
	·				,		
				,			
				.,			
	<del>-</del>				5		
	<u>.</u>					***************************************	-
			***************************************			,	

NA-4000-S WORK SPECIFICATION NO.

## REPAIR OR OVERHAUL SPECIFICATION AND COMPLIANCE RECORDS

1	5
Ð	ACE

17.

5 ISS.NO.

REV.NO.

Apr 28 1993 DATE

PARTOIL -	MANUFACTURERS . B	ULLETIN«COMPELANCE	RECORDS
ENGINE SECTION:	EXTERNAL /RHGB	WORK ORDER NO	SERTAL NO.

F						1	l
BULLETINS	CAT	DESCRIPTION	REMARKS.	0.00/7/# 0 	ECN.	»N/A»	N/R
4736	R	ORIFICE PLATE FITTED AT SPLIT CONNECTION OF IGB TO DRAINS TANK VENT PIPE.		[ - -			
4775	R	HPT SCAVENGE PUMP WITH INCREASED CAPACITY.		~~~~			
4855	R	AIR SUPPLY RESTRICTOR TO D.C. GENERATOR SEAL WITH INCREASED DIAMETER.					
4965	R+	FUEL DRAINS BLANKED OFF AT BY-PASS DUCT & HP SHUTOFF VALVE.	ALSO C/W MOD 5298			***************************************	***************************************
5073	R	HP PILOT FUEL FEED TUBE RE-RUN TO SHUTOFF VALVE FROM ALTERNATIVE CON- NECTION ON FUEL FLOW REGULATOR.					granos anno Armana
5298	R	REMOVAL OF MOD 4965 BLANKING PLATE.					
5390	R	HP ROTOR THRUST BEARING RETURN OIL TRANSFER TUBE WITH BY-PASS HOLE.			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
5546	R	CONTINUOUS FUEL BLEED SYSTEM.					
5639	R	INTRODUCTION OF OIL FILTER ELEMENT ANTI-ROTATION WASHER.		various and a superior and a superio			
5729	R	HPT BEARING RETURN OIL TRANSFER TUBE WITH BY-PASS HOLE.		•			
6022	R+	THROTTLE CONTROL ROD WITH LARGER DIAMETER THREADS.	DELETE MOD 5649		1	×	galiyyyd adda a araban a araban a arab
6114	R	FRONT MOUNT NUTS UNPLATED.					
6163	R	LPT SCAVENGE PUMP WITH DRILLED BOBBIN.					-•
Sp73-193	R	INSPECTION OF FUEL FLOWMETER MOUNT ELBOW.	·				

	NA-4000-S	
WORK	SPECIFICATION	NO.
5		

REV.NO.

ISS.NO.

16	***************************************	1-7
PAGE		OF
Apr	28	1993
	DATI	Ţ.

	MANUFACTURERS::B	ulletin#compleance	
ENGINE SECTION:	EXTERNAL /RHGB CONT'D:	work order no.	SERIAL NO

В	ULBETIN	CAT*	DESCRIPTION	-REMARKS -	c/w	LPCW	en/A.	N/R:
	6327	R+	STEEL LINERS IN FUEL ELBOW CONNECTOR.	OR XRS-3887	-			
	:							
	·							
			·				-	
		,						
		· victorium vict		Service Control Contro				
				-			- government og - Upragon gardet frag	
			:					
		***************************************			***************************************	and an angle of the second second second second		·
<u> </u>		·/////////////////////////////////////						
						***************************************		
	***************************************			***************************************	**************************************	######################################	4	**************************************
	anne e e e e e e e e e e e e e e e e e e	(ALUKAPUN KOMOPETTI PEN			•••	<del></del>	\$45 <b>37</b> 084*1004\\$544*604	······································
ļ		······································	•		,		Samuel and to the state of the	
	20///**********************************	4	-		vivii 20 mm -		······································	***************************************
			***************************************	· · · · · · · · · · · · · · · · · · ·				
			•	***************************************			***************************************	
		**************************************						
· <b></b>		······································			,		:	

NA-4000-S					
WORK	SPECIFICATION	NO.			
5					

REV.NO.

ISS.NO.

17		17
PAGE		OF
Apr	28	1993
	2477	*

SPART-SEV - F	AA&ATRWORTHINESS&DERECTIVE&COMPLI	ANCE=RECORDS
engine section	work order no.	SERTAL:NO:

			1	I.	
	AD=NOTE NO2	METHOD OF ** COMPLIANCE	DESCRIPTION	MODEL APPLICABLETLY	C/W-PCH-N/A-
	68-17-05	Sp75-86	INSPECTION OF HP CENTER SECTION AIR DUCT.	511-8 511-14	
	87-18-07	sp72-997	INSPECTION OF PRIMARY AIR SCOOPS.	511-8 511-14	
	78-16-07	Sp73-127 OR Sp73-212	INSPECTION & MODIFICATION OF HP FUEL PUMP (ENSURE GD 119 PUMP NOT INSTALLED).	511~8	<b></b>
	And an angle of the second			and the second	
					1
	-	· · · · · · · · · · · · · · · · · · ·			
्रि 		e e e e e e e e e e e e e e e e e e e			
		7,117,017,000			

SOW Attachment 3

NASA Accessory Overhaul Specifications

for

Spey Engines Mk 511-8

	***********	
	N2	N-A0-4004-S
********	HORK	SPECIFICATION NO.
_	<del>~~~</del>	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>
	3	
	ISS.NO.	REV.NO.

2 ·	**********	39
Page		OP
Sep	13	1993
	DAT	•

PARTS LI MAMIPACTURERS SHULLETIN COMPLIANCE		
MIN: -FUEL FLOW REGULATOR (A)	DATE:	rko.
CISTOMEX.**	.F/8:	5A:

			445 MARINE CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR					·				
	HOD OR ESERVICE BULLETIN	CASO# 206	CASC	600.000 AC 600 (CC 600 (CC)	use.	-DESCRIPTION	RPHARKS	сля	-FCH	».W/E.	₩ <b>7</b> 2	
	73-91	R				INTRODUCTION OF SILVER PLATED RING NUT THREAD AT THE OVERHAUL STAGE.		200-100 (100-100 (100-100 (100-100 (100-100 (100-100 (100-100 (100-100 (100-100 (100-100 (100-100 (100-100 (100	W-770074003-04-05-04-05-04-05	garija Voqon Good yeesine	aneganen gangan kangan ngan	
	73-97	R	-			APPLICATION OF GREASE TO SPLINES OF DRIVESHAFT & MUFF.			on parameter in this pilet in the	~-		
	73-154	R			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	SPECIAL ASSEMBLY CHECK.		***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		`.	
	73-180					CLEARANCE CHECK ON P3 LIMITER & SPLITTER BODIES.				<b>министонозможни</b>		
	73-216	R				ADDITIONAL INSPECTION CHECKS TO VMO PLUNGER.						
<b>多</b> 1	CP2403 73-19 (RR2365)	R		-	,	INTRODUCTION OF ADJUSTABLE GOVERNOR LEVER.						
	CP2579 73-71 (RR2593)	R				REPLACEMENT IDENTITY PLATE.						
						**511-8 CASC 206**					***************************************	
	antipus (maritus polimina (artipus a guartin) et maritus (maritus polimina) et maritus (maritus polimina) et m				***************************************					ì		
					**************************************							
	ere				***************************************				5			
											ovenomeno-control of the control of	
						-						
								,				

N	A-A0-4004-	S
HCKK	SPECIPICATION	₩0.
3	00000000000000000000000000000000000000	
ISS.NO.	REV	. <b>10</b> .

3 PAGE	************	39 OF
Sep	13	1993
	DAT	E .

FARTS II MARIFACTUREDS SHIPS ETTE SCOMPSTARTS		
FUEL FLOW REGULATOR (B)	· STATE:	<b>≱₩/0</b> -
CISTOMER	P/8:	8/8

	100000000000				·		• •		discourse in the
HADRER SERVICE BUILDING	CASC 204		CASC	CASC	DESCREPTION	REMARKS:	C/W=	POW	NRts
CP2701 73-74 (RR3077)	R+				RIGID SLIDER BLOCK DRIVE WITH TUNGSTEN CARBIDE PAD ON WEIGHT CONTACT FACE.	C/W ONLY IF CP2582 NOT PREV- IOUSLY FITTED.			
CP2705 73-62 (RR2944)	R				REVISED TECHNIQUE FOR SETTING SPEED GOVERNOR.				
CP2719 73-85 (RR3146)	Ř				INTRODUCTION OF A FULLY CADMIUM PLATED P3 LIMITER SLEEVE.	٠			
CP2730 73-63 (RR3006)	R		-		OUTER SEAL RETAINER LOCKED TO PREVENT ROTATION.				
CP2732 73-72 (RR3078)	R				RE-IDENTIFICATION OF CASC UNITS WITH LIFE EXTENTION FEATURES.	MINIMUM MOD STAN- DARD FOR ALL UNITS.			
CP2753 73-88 (RR3058)	R				INTRODUCTION OF A MOLDBENUM SPRAYED DASHPOT PISTON AND SHROUD.			•	
CP2792 73-157 (RR4306)	R	R	R	R	NEW PILOT BOBBIN(REWORK 77346657 ONLY) 1 PIECE ASSEMBLY IN STEEL.	· •	***************************************	***************************************	***************************************
					,		(	:	
72 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.	-						,	***************************************	
	9 · · · · · · · · · · · · · · · · · · ·	ченогожического кото очето намусы	***************************************	**************************************		1			-
				:					

NA-AO-4004-S							
HCRK	SPECIFICATION NO.						
3							
ISS.HO.	REV.RO.						

4		39
PAGE		OF
Sep	13	1993
a construction of the cons	DATI	<u> </u>

FART - LI MARUPACTURERS RULLETIN CLAPITARIA		
SUMILES - QUEL FLOW REGULATOR (C)	DATE:	\$H/G2+
CISTANE	P/#;	S/K:

				•			•		<b>3</b> 10
HOD OR HISERVICE HOLLETINGS	60ASC ###	CATE *CASE	CASC	C4SC	DESCRIPTION	REMARKS		PCF	- 44
CP2800 73-107 (RR3362)	R				DCU ADJUSTING SCREW WITH LENGTHENED SEAL.	:		37-7-7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
CP2801 73-84 (RR3044)	R				INTRODUCTION OF IMPROVED LOCKING OF THE IDLING ADJUSTMENT ASSEMBLY.		MODELLE MANUFACTURE CONTROL CO		
CP2820 73-100 (RR3081)	R				INTRODUCTION OF COARSE STRAINER INTO HP INLET.		7/1/20 <i>-22-1</i> -1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	:	
CP2898 73-103 (RR3408)	R+				INTRODUCTION OF RUBBER BUSHED CAPSULE AND COUPLING.	ON REPAIR C/W ONLY IF BEYOND SALVAGE USING O/S BALLS.			
CP2913 73-104 (RR3468)	R				REVISED MATERIALS FOR BALANCE SLEEVE AND HOUSING.				
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
			ļ. 						
	+						(		
									<u> </u>
***									

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
 N	A-A0-4004-	5
WORK	SPECIFICATION	NO.
3		edistribution de la companya de la c
 - 40	DEW	

5		39
PAGE	***************************************	OF
Sep	13	1993
	DATE	7

PART TI HABUFACTURERS BULLETIN COMPLIANCE		100
TIMIT: SUEL FLOW REGULATOR (D)	*DATE	s#/0:
CISTOMER	278:	-6/#

ENTERTIA	C486 206	CATE	CASC	CAGC	DESCRIPTION	HETSARKS****	зсин	_E04	ER #
CP2919 73-112 (RR3764)	R		·		INTRODUCTION OF P3p PLATE VALVE LINE FILTER.				
CP2934 73-109 (RR3466)	R				TEST PROCEDURE REVISED TO ADD RESPONSE AND AMEND STARTING FUEL FLOW CHECKS.				
CP2977 73-117 (RR3641)	R+				ADJUSTABLE GEAR CENTERS.	C/W ON REPAIR TO HOUSING ORDER NEW LEVER HUB.			
CP2979 73-116 (RR3551)	R				INTRODUCTION OF SHROUD OVER P3 LIMITER BACK STOP ADJUSTING SCREW.				
CP2999 73-118 (RR3683)	R				INTRODUCTION OF STRENGTHENED CUP WASHER ON INPUT COUPLING.				
CP3011 73-130 (RR3596)	R	. ,			INTRODUCTION OF INCREASED AREA FLOW HOLES FOR PILOT BURNER SPILL.			*	
CP3022 73-120 (RR3676)	R				INTRODUCTION OF IMPROVED CORRUJOINT GASKET FOR P3 LIMITER.	S/S BY * CP6444			
CP3035 73-1344	Α .				INTRODUCTION OF BLANKET MODs 2701,2719,2732,2753,2801, & 2828.				
				· ·			~~~	9700 a gampa da carra a	•

N.	NA-AO-4004-S								
MEK	SPECIFICATION	NO.							
3									
ISS.NO.	REV	RO.							

DATE					
Sep	13	1993			
PAGE		OF .			
-6		39			

FART*II CHAMUFACTUREDS: HULLETIN CONTIRECE		
UNIT: QUEL FLOW REGULATOR (E)	DATE	: N/O:
CIETCHER*	7/8:	5/4;

- MO OR	LOCAL CAPPAGE				CATEGRE: DESCRIPTION				ROMPKS	#CZH	TPCW NR*	
SERVICE BIRLETIN +-	Ca3C 206	CASC		(CASO								
CP3037 73-134	R				INTRODUCTION OF REDUCED RADIAL LOAD LIP SEALS ON METERING AND BALANCE PLUNGERS.	THIS MOD ESSEN- TIAL TO ANY UNIT W/CP2952 FITTED PREV- IOUSLY.						
CP3043 73-129 (RR3840)	R.				REVISED TEST SCHEDULE TO INTRODUCE HP/SOC INTO RIG CIRCUIT.				-			
CP3045 73-131 (RR3465)	A		·		INTRODUCTION OF SINGLE HANDED ADJUSTMENT FOR THROTTLE VANE STOP SCREWS.							
CP3093 73-142 (RR 4024)	A		·		IMPROVED SEATING FOR CENTER DRIVE QUILL SLIDER BLOCK AND MUFF ASSEMBLY.							
CP3131 73-156 (RR4360)	R+				STEEL TRACK FITTED TO CAPSULE HOUSING.	C/W LS920 UNTIL ALL PARTS USED.						
CP3292 73-153 (RR4357)	R				INTRODUCTION OF HEAVIER DUTY BEARING FOR SCHEDULING GOVERNOR SLEEVE.			`.				
	-					·	Ś					
									<u>.</u>			
		e proposition de la company	***************************************	omer men en e			ļ					

N.	A-A0-4004-s
HORK	SPECIFICATION BO.
3	
ISS.NO.	REV. NO.

7			39		
Page		(	OF		
Sep	13	199	3		
DATE					

		***************************************
SPARTSET MARIJFACTURESS BULLET IN COMPLIANCE		
SUBSTREE FLOW REGULATOR (F)	DATE:	W/0+
EISTOPER	-E/B:	8/8:

# HOUSE SERVICE		PATI	XXXXX		DRSCRIPTION	PPHARKS	Сли	- PCM	NR W
BULLETIA	CA9C 206	CASC	CA50 +	casc					
CP3308 73-148 (RR4347)	A				BLANKET MODs 2377,2730,2800,2820, 2898, 2899,2919,2913,2934,2977, 2979,3011,3022,3035,3037, 3043,3045.				
CP3414 73-171 (RR4498)	R		`		INTRODUCTION OF HIGH COEFFICIENT OF EXPANSION SECURING BOLTS THIN WALL INSERTS TO P3.	•			
CP3599 73-182 (RR4628)	R				TUNGSTEN CARBIDE TRI-ROLLER FOR VMO DRIVE.				
CP3704 73-202 (RR4710)	A				REVISED ACU SLEEVE OVERLAP RUNNING CLEARANCES.				
CP3767 73-201 (RR4745)	R				INCREASED P3 LIMITER SYSTEM RATE.				antariinessaasaanana
					,	.•		,	
						•			
							i		
		ya-maa		***************************************					,
<u> </u>				•		, ,			,

N.	A-AO-4004-S
HORK	SPECIFICATION NO.
3	
ISS.NO.	REV. NO.

8		39	
PAGE		OF	
Sep	13	1993	
	DAT	2	040

PARE ET SMARIPACTIERES HUELETER COMPLIANCE		
UNIT: -EUEL FLOW REGULATOR (G)	DATE:	sH/0:
CUSTOMER	978	S/H:

SERVICE SERVICE SULLETIN	CA90*** 7206	CASC	CASC	cua:	DESCRIPTION		C/H+s	* FCH	WE
CP4403 73-219 (RR5105)	R				LOCTITE ON TRANSFER PINION SPINDLE.	S/S BY CP6435.			
CP4407 73-222 (RR5103)	R				FLIGHT STANDARD-BLANK FOR PILOT BURNER CONNECTION PIVOT. CHANGES CASC # TYPE NUMBER.	ENGINE MOD 5073 REQUIRED		``	
CP4284 73-221 (RR5125)	R				DRIVE END HOUSING WITH BOLTED STUD AXLE.				
CP4554 72-230 (RR5214)	R				INTRODUCTION OF 'VITRON' SEALING RINGS ON DRIVE END(LARGE DRIVE UNITS).				
CP4573 73-228 (RR5220)	R		-		RE-INTRODUCTION PRE-MOD 3945 GARTER SEALS IN PLACE OF SERVO WEDGE SEALS.				
									·····
	 	<del> </del> 					<u> </u>		
		·	•						
				***************************************					
							(15)		
			Anna St. man St. man and St. m						
				<del></del>				And the second of the second o	30090000
						**************************************			=
1	<del>, , , , , , , , , , , , , , , , , , , </del>		······································	MONTH					

A:	5-A0-4004-S
HORK	SPECIFICATION NO.
3	
ISS.NO.	rev.no.

9		39	
PAGE		OF	
Sep	13	1993	
	DAT	5	

SPARTORI BARIFACTUREDS: BIJLLETIA COMPLIANCE		
CHIT: - FUEL FLOW REGULATOR (H)	DATE	W/O:
CIRTIMERS	eP/M1	5/4:

							•	6.0000000000000000000000000000000000000	
Hadden Species Bheetings	CASC 206	CATI		CASC	DESCRIPTION	REMARKS	C//4	-RS	MCE
CP4633 72-231 (RR5226)	A				REVISED VMO PLUNGER PROFILE.				
CP4737 73-235 (RR5360)	R				INTRODUCTION OF A CREEP GEAR STOP SLEEVE.			~~	***************************************
CP4875 73-241 (RR5367)	A				IMPROVED DRIVE ASSEMBLY OUTER SEAL.			······································	haashannasintashiisa
CP4900 73-256 (RR5519)	A			<b>-</b>	INCREASED WIDTH QUADRANT GEARS.				ye yamaayyy\ooyigaaana
CP5376 373-264 (RR5635)	A	· · ·	-	-	HARDENED CONTACT PLUG AND INSERT.				
CP5838 73-270 (RR5913, PT.2)	A				INTRODUCTION OF BLANKET MOD CP3599, CP4284, CP4403, CP4407, CP4554, CP4573, CP4737, CP4929	CASC 206			
CP6782 73- (RR6314)	A				INTRODUCTION OF BLANKET MOD CP4284, CP4407, CP4554, CP4737, CP4929 & CP6435				·
						•		:	
					•	<u>.</u>	<u></u>		·
	-				· · · · · · · · · · · · · · · · · · ·	·			
	·			:		,			
						•			

N	A-A0-4004-5	5
HORK	SPECIFICATION	NO.
3		
ISS.NO.	REV	NO.

DATE						
Sep	13 1993					
PAGE	O.P					
_10	39					
_10	39					

SPARTSTI SHARIFACTURERS BITCHTIE COMPLIANT		
SUMIT: SUEL FLOW REGULATOR (I)	JIATE:	W/o:
CISTME	(F/B)	5/1:

	MOUTOR SERVICE		CATE	GORY.		OPSCREPFIOR	PPHARES	674	.PCH	- 100
	SERVICE SOURCELLIN	CASC 2068	CASC	CASC	CASC +					
	CP5926 73-272 (RR5974)	R				CARBON SPHERICAL THRUST BEARING MANUFACTURED IN EY9106BY MATERIAL.			oonoonoonoonoonoonoonoonoo	
	CP6188 73-279 (RR6088)	R				DELETION OF NEW GOVERNOR SPRING AND THROTTLE CAM PROFILE.				
	CP6376 73-286 (RR6140)	R		-		KARON COATED AIR SEALS.	00000000000000000000000000000000000000	2468703-700704004040040404040	**************************************	
	CP6227 73-280 (RR6102)	R				ALTERNATIVE VMO PLUNGER WHICH IS TUNGSTEN CARBIDE PLATED.		····		
1.00	CP6228 73-281 (RR6103)	R				ALTERNATIVE PRESSURE SLEEVE WHICH IS TUNGSTEN CARBIDE PLATED.	***************************************			
	CP6126 73-282 (RR6063)	CSI +				INTRODUCTION OF TUNGSTEN CARBIDE COATED VMO PLUNGER + BALANCE SLEEVE.	FOR REFER- ENCE ONLY.			
	CP6247 73-285 (RR6191)	R				REVISED CAMSHAFT ASSEMBLY.				
	CP6376 73-286 (RR6140)	R				KARON COATED AIR SEALS.			,	
	CP6435 73-291 (RR6169)	R			·	RE-DESIGNED TRANSFER GEAR ASSEMBLY.	•			
	CP6444 73-289 (RR6173)	R				P3 CONNECTION KLINGERSIL GASKETS.				
	*PART*III					Contractor Bulletin COMPLIANCE				
						NONE ISSUED				_
	PART IV					FAA AIRWORTHINESS DIRECTIVES NONE ISSUED				
l										

N.	A-A0-4004-s
HORK	SPECIFICATION BO.
3	The second secon
ISS.NO.	rev. bo.

11			39		
PAGE			of		
Sep	13	199	3		
DATE					

PART II MANUFACTURERS HULLETEN COMPLIANCE		
INIT: UP FUEL PUMP (A)	· DATE:	\$6/0°
CISTIMER	P/A;	8/3

:MOROR SERVICE -BULLETIN			REMARKS	-C/H	ROW	ER *
	147/4					
CP2509 73-40 (RR2749)	) A	PROVISION FOR MAGNETIC CHIP DETECTOR IN PUMP BODY.			_	
CP2696 73-79 (RR3015)	R	IMPROVED PISTON SPRINGS.				,
CP3060 73-127 (RR3847)	R+	INTRODUCTION OF A DISC BETWEEN THE ROTOR END FACE AND PORT INSERT.	S/S BY CP4173			
CP3189 73-160 (RR4371)	R	CARBON PISTON LINERS IN PUMP ROTOR.	CP3632 ESSENTIAL. C/W BY ROTOR REPLACE FROM ROTABLE POOL.			
CP3632 73-189 (RR4643)	R	REVISED ROTOR WITH REPOSITIONED DRILLINGS.				
CP4173 73-212 (RR5091)	R+	BALANCED PUMP ROTOR WITH TUNGSTEN CARBIDE ROTOR INSERT AND PORT INSERT.	AD 78-16-07 REFERS (511- 8 ONLY)			
CP4404 73-224 (RR5219)	R	REVISED METHOD OF WIRE LOCKING RELIEF VALVE.			;	
CP4761 73-246 (RR5370)	A	ECCOBONDED CARBON TOPPED SLIPPERS.	MIXING OF PRE & POST MOD IS PERMIS- SIBLE.	6		
Sp73-273	R	INSPECT CAMPLATE HOUSING AND BODY FOR LINK PIN WEAR.				

N2	A-AO-4004-5	5
wre	SPECIFICATION	NO.
3	***************************************	***************************************
, ISS.NO.	REV.	NO.

12		39
PAGE		OF
Sep	13	1993
	DAY	ξ

PARTS : MARUFACTURERS BUTLET IN COMPLIANCE		
UNITS #P FUEL PUMP (B)	:DATE 9	W/0:
CISTACE #	-P/8:	S/#:

POO-CR	Sec. CAT	CXMY	DESCRIPTION	REMARKS	SC/W.	PG#	SS NO SS
SPEVICE- BILLPTIN	GD 119/ 129/ 146/ 147/ 149%						
TI-SPEY- 021	R		Contractor SEULISTEN COMPLIANCE CADMIUM PLATED TRUNNION BLOCKS.		·		
PART-IV			*FAA*AIRWORTHINESS*DIRECTIVES				
AD78-16- 07 REFERS 511-8 ONLY	R		INTRODUCTION OF A DISC BETWEEN ROTOR END FACE AND PORT INSERT.	S/S BY CP4173.			
AD78-16- 07 REFERS 511-8 ONLY	м		BALANCE PUMP ROTOR WITH TUNGSTEN CARBIDE ROTOR INSERT AND PORT INSERT.	CP4173 (RR5091)			
			**511-8 GD 119-129-146-147-149**				
,				•			
	-				\$		
		<del></del>					
) [							

	NA-A0-4004-S				
***************************************	HORK	SPECIFICATION	NO.		
***************************************	3				
	(SS.NO.	REV	.bo.		

DATE					
Sep 13	1993				
Page.	OF				
13	39				
	The second secon				

*FART TO MARGEAUTURESS BUILDETTE COMPLIANCE		
SUFFICE SHUT-OFF COCK (A)	-CATE:	uk/o:
SERVICE SERVICES	92/8	\$7 <b>4</b> .

	12-22-00		•	A.		¥	1000000
MOOR SERVICE HILLER	9932 1400-9 140	SOC	DESCRIPTION	HEMARKS	C/Rs	E-POH -	MR
CP2593 73-61 (RR2849)	R	-	REVISED TEST SCHEDULE HP FUEL SOC.				
CP2757 73-82 (RR2891)	R		FUEL & CONTROL - HP FUEL SOC. INTRODUCTION OF STARTING FUEL FLOW.	S/S BY CP3691			
73-136	R		HP/SOC - ADDITIONAL TESTING.				
CP3367 73-158 (RR4387)	A		FINE MESH STRAINER IN PILOT INLET.	S/S BY CP5358			
CP3691 73-191 (RR4678)	R		INCREASED COLD START FLOW.				
CP5358 73-263 (RR5630)	R		RE-INTRODUCTION OF COARSE MESH STRAINER.				
					<u> </u>		
						·	
-0.7 - 3.4-0.0-0.534-0.534-0.0-0.0-0.0-0.0-0.0-0.0-0.0-0.0-0.0-0.	yywadd dae'i d						
	<b>-</b> .	······································			ſ	,	TOWN PROCESSION OF THE PROCESS
	·····				, , , , , , , , , , , , , , , , , , ,		
	1255 1155 1255 1255 1255 1255 1255 1255	>=====================================			On the sign of the order of the	·	<u>-</u>
j			•				

NA-AO	-4004-s
WAK SPEC	TICATION NO.
3	
uss.no.	REV.NO.

14		39
PAGZ		OF
Sep	13	1993
	DAT	Z

PARTSEL *** ** ** ** *** *******************		
usin: -up fuel shut-off cock (B)	-DATE:	g¥/G2
CISTOPOR	P/R:	S/II:

HOU-OR SERVICE- BULLETIN	CATEGORY.	DESCRIPTION:	REMARKS	C/W	жесн	MR
SPARTSIII.		Contractor BULLETIN COMPLIANCE				
		NONE ISSUED.				***************************************
PARTIV		FAA AIRWORTHINESS DIRECTIVES		`.		
		NONE ISSUED.			******************	<del></del>
		**511-8 - SOC 113-120-130-140**				
			**************************************			
					***************************************	
						ou compositores
				<u> </u>		
	······································			]		<u> </u>
			and the second s	**************************************	:	
	<u>Dengan pagaman manakan da pagaman manakan</u>		The state of the s	6		
**************************************	—					
***************************************						-
				***************************************		
\<br -:\ -:\				ļ		

N.	A-A0-4004-s
HORK	SPECIFICATION NO.
3	///
ISS.NO.	REV. NO.

15		3.9
PAGE		OF .
Sep	13	1993
	DATE	F.

PARTY IX HABITACTIONES SUBSETING COMPLIANCE		
*UNIT: TP GOVERNOR	DATE:	
*CIETOMES «	52/a-	(S/H

- CO 000	HOU OR CATEGORY DESCRIPTION				PEMARKS 20 SECAND POR			
SERVICE - HOLLETIN-	# LBG 1115	4	ı	DESCRIPTION	- PINADES :	acces.	PG.	HR-
CP2548 73-78 (RR3035)	R			INTRODUCTION OF IMPROVED LOCKING OF DRIVE SHAFT BACKSTOP.				
CP2745 73-77 (RR3045)	R			INTRODUCTION OF A RIGID SLIDER BLOCK DRIVE.	- Company of the Comp			
CP2914 73-106 (RR3451)	R		·	INTRODUCTION OF A RIGID SLIDER BLOCK DRIVE ON THRUST COLLAR.	S/S BY CP4252			
CP3162 73-143 (RR4028)	R			INTRODUCTION OF A REVISED COOLING FLOW RESTRICTOR AND STRAINER.	***************************************			
73-A205	R			INSPECT SLIDER BLOCKS.	S/S BY CP4252			
CP4252 73-214 (RR5036)	R			INTRODUCTION OF BALL RACES TO SPRING SEAT ASSEMBLY.				
PART III				Contractor Builderin Compliance				
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	***************************************	>	NONE ISSUED			<u>i</u>	į
PART IV				*PAA*ATRWORTHINESS*DIRECTIVES				
	······································			NONE ISSUED				
				**511-8 - LPG 115**		Ç		
						'1		
	······································					· · · · · · · · · · · · · · · · · · ·		
_	not tenderarmone communicações propries de la communicação de la communicación de la c				p.		*******************************	

***************************************	•		
	N.	A-A0-4004-	5
***************************************	HORK	SPECIFICATION	RO.
	3		
Ľ	SS.NO.	REV	.RO.

16		39
PAGE		017
Sep	13	1993
	DAT	E.

*FART*II**********************************		
SOLENOID OPERATED SHUT-OFF COCK	DATE:	W/0:-
CIRTUMER	32/K:	S/R:

		T		**************************************	
CATEGORY	TESCREPTION	EEMARKS	C/M	- LPCH s.	- 102
14/12F					
R	TEDDINGTON: IMPROVE SOC TO 5104-019-000.	195 gers 1971 - 1972 (1972 (1972 (1972 (1972 (1972 (1972 (1972 (1972 (1972 (1972 (1972 (1972 (1972 (1972 (1972			w
~ <b>-</b>					
	Contractor BULLETIN COMPLIANCE				
	NONE ISSUED.				*************
	FAR AIRWORTHINESS DIRECTIVE				
	NONE ISSUED.	····			
		)		***************************************	<b>~~</b>
	•				
					, , , , , , , , , , , , , , , , , , ,
				·	
	**511-8 - 5104-019-000 **			į	
			<i>C</i> .		<del>*************************************</del>
					ergianing enter a many armout ye
					······································
	SE LIGHT	TEDDINGTON: IMPROVE SOC TO 5104-019-000.  Contractor Builtetin Compliance  NONE ISSUED.  FAR AIRWORTHINESS DIRECTIVE  NONE ISSUED.  **511-8 - 5104-019-000 **	TEDDINGTON: IMPROVE SOC TO 5104-019-000.  Contractor BULLETIN COMPLIANCE  NONE ISSUED.  FRA AIRWORTHINESS DIRECTIVE  NONE ISSUED.  **511-8 - 5104-019-000 **	TEDDINGTON: IMPROVE SOC TO 5104-019-000.  Contractor Bulletin Compliance  NONE ISSUED.  PAR AIRMORTHINESS DIRECTIVE  NONE ISSUED.  ***511-8 - 5104-019-000 ***	R TEDDINGTON: IMPROVE SOC TO 5104-019-000.  Contractor Bulletin Compliance NONE ISSUED.  FAR AIRMORTHINESS DIRECTIVE NONE ISSUED.  **511-8 - 5104-019-000 **

	N	A-A0-4004-	s
	WORK	SPECIFICATION	HO.
	3	enne en	THE PERSON NAMED OF THE PE
ISS	s. NO.	REV	.NO_

Sep 13 1993	]
PAGE OF	
17 39	

PARTOIT MANUFACTURERS SUITLET IN COMPLIABLE		
EIMIN: AFC - RPM SIGNAL TRANSMITTER	+DATE:	H/Os
CISTOPER .	7/8;	жун:

SERVICE	CATEGORY		DESCRIPTION	- REMORES	: CAH	PCH	NES
* SULLTIS	ACA 193	ACA:					
CP2478 75-4 (RR2631)	R		INTRODUCTION OF A RESISTOR ORIFICE IN THE SUCTION LINE TO THE UNIT.				
CP2481 75-3 (RR2701)	R		INTRODUCTION OF CLOSE LIMITS ON CALIBRATION.			_	
CP2816 75-5 (RR3467)	R		INTRODUCTION OF STRIP HINGE MOUNTING FOR GOVERNOR LEVER.				
CP3001 75-6 (RR3628)	R		REVISED TEST SCHEDULE.		-Communication (Contraction		
CP3065 75-8 (RR4178)	R •		REVISED CARBON FACE SEAL ARRANGEMENT.			_	
CP3159 75-7 (RR4164)	R		AFCR - SIGNAL TRANSMITTER INTRODUCTION OF RUBBER COATED SHAFT SEAL.				
CP3236 75-9 (RR4195)	R		REVISED SHAFT OIL SEAL LEAK TEST.				
CP3466 75-10 (RR4512)	A		BLANKET MOD COVERING CP2478, 2816, 3001, 3065, & 3236.		·	*	
CP4040 75-11 (RR4928)	R		MODIFIED QUILLSHAFT AND JUMP RING.				
CP6362 75-13 (RR6128)	A		CHANGE OF DIAPHRAGM FABRIC.				
PART III			Contractor BULLETIN COMPLIANCE				
			NONE ISSUED.				
PART IV			FAA AIRWORTHINESS DIRECTIVES				
		***************************************	NONE ISSUED.				-
<u>/</u>			**511-8 - ACA 100-103**				

r	
N.	A-A0-4004-S
HORK	SPECIFICATION NO.
	<del>anny ampikantan pamana ny kaodinina mandra ny kaodinina mandra ny kaodinina dia 200</del> 0.
3	
ISS.NO.	REV. NO.

	18	e alo	39 OF
PAGE		gappa sambilità	UE
	Sep	13	1993
		DAT	E

, <del>r=</del>		
ODANTSCLA DEMERCITARES HILLETTE OTAPLIANT		9.00
MIRFLOW CONTROL RAM (A)	DATE	WC.
		ES/N:
CISTEMER	P*************************************	

MODERN SERVICE WHILLETING	511:-8	ECCECY	TESCHIPTION :	HEMARKS.	CH.	PCH -	- ALL or
2340 75-45	R		MACHINED VALVE SPRING FOR THERMAL RELIEF VALVE.	MOD 2345 ALSO REQUIRED.	2000,000,000,000,000,000,000,000,000,00	3353 Ng 24 Ng	
2345 75-43	R		INTRODUCTION OF MODIFIED THERMAL UNIT.	MOD 2340 ALSO REQUIRED.		<u>-</u>	
2635 75-76	R		ROLLING "BELLO FRAM" DIAPHRAGM PRESSURE BALANCED DIRT STOPPER SEAT.	CP2478 (ACA) ALSO REQUIRED.			
2654 75-81	A		COMMONIZED STUD LENGTHS.				
2683 275-70	R		THERMAL PHIAL SECURED BY BOLTS.				
2693 75-68	R		LOW THERMAL EXPANSION RELIEF VALVE SEAT WITH STELLITE TIP.				<del></del>
2695 75-77	А		DIE CASTING OF MAIN CASING.				
2744 75-72	R		IDENTIFICATION PLATES.				
2895 75-69	R		IGV RAM AIR BLEED CAPNUTS LOCKED BY NYLON INSERTS.	s/s BY 5546			
3414 75-88	R		REPOSITION BLEED VALVE.	s/s BY 5546			
3570 75-87	R		REVISED RIG TEST FIGURES.	s/s BY 6137			
3635 75-89	R	·	CANCELLATION OF SCHEDULE FOR MATCHING AIR FLOW/C/R/ WITH RAM SIGNAL TRANSMITTER.	MOD 3570, 2340,2345, & CP2481. (ACA) ALSO REQUIRED.	(		
							-
1			·	:			

NA-AO-4004-S								
HORK	SPECIFICATION NO.							
3								
ISS.NO.	REV.RO.							

19		39
PAGE		OF
Sep	13	1993
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DAT	2

SPART CI MANUFACTURASS BULLETIN COMPLETANT		
UNIT: THIRFLOW CONTROL RAM (B)	DATE:	2H/G1
CERNER	P/8:	isa:

MORKER SERVICE SERVICE	Siketi	CATE	grey /		DESCRIPTION	REMARKS	см	*PGF	NO se
4307	A				SHORT PIGTAIL ON THERMOPHIAL.				
4670 75-116	R				AFCR "BELLO FRAM" DIAPHRAGM WITH IMPROVED SEALING AND REDUCED NIP.				
3387 75-97	·R	WWW.WARECOM		Accessive the Control of the Control	CONTROLS - B/V RAM TO IGVS & B/V OPERATING LINKAGE WITH 'D' HEADED PIVOT PINS SECURING BY NUTS.				-
5000 72-785	R+				REVISED SETTING INSTRUCTIONS FOR HP COMPRESSOR INLET GUIDE VANE MECHANISM.	C/W ONLY IF MOD 3971 PCW & CON- CURRENTLY W/ENGINE.			
5349 75-140	R				CARBON BUSHED STAGE 1 OPERATING PIN SLEEVE.				
5451 75-141	R			No.	IMPROVED SUPPORT BRACKET.	S/S BY 5546			
5393 75-144	R				INTRODUCTION OF SERVICE ADJUSTMENT LIMITS.				
5546 75-145	R			*	INTRODUCTION OF CONTINUOUS FUEL BLEED SYSTEM.	·			
6111 75-157	R				INTRODUCTION OF 'COLD' STOP' IN THERMAL CONTROL.	.,		•	····
6137 75-158	R				RIG TEST SCHEDULE WITH REVISED IGV WHIRL SETTINGS LIMITS.			•••	
6167 75-159	A -				TCU WITH STAINLESS STEEL CAPSULE ASSEMBLY.		-		
PART III					Contractor BULLETIN SCOMPLIANCE				·
PART IV					FAN AIRWORTHINESS DIRECTIVE				
					NONE ISSUED.				

N.	A-A0-4004-S
HORK	SPECIFICATION NO.
3	
ŢISS.ΗΟ.	rev.no.

20.		39	
PAGE		OF	
Sep	13	1993	
***************************************	DAY	<b>Z</b> .	

PARTOLIS SEMANURACTURESSMULTETIESSMPLIANCE		
MAX 1921	F F	
		W/O+
UNIT: GROUND COOLING EJECTOR VALVE (A)	S. TABLES	
UNIT COODING DOSC		
	77E-	SA:
CISTO-CE 38	****	
		\$46000000000000000000000000000000000000

MODE GRE	CATE	EXPEY .	DESCRIPTION	REMARKS	3074	P.W	MM
ANTALINES EXTACINES	6213	624201					
1524 75-22 (4010U 75-8)	R		ANTI-ICING CONTROL VALVES YELLOW IDENTIFICATION BAND ON CASE.				
2571 75-46 (4232U 75-12)	R		SQUARE HEADED VALVE STEMS & CONCAVE SEATINGS ON HOT AIR & GROUND COOLING EJECTOR VALVES.	naggargan gamara di di di di di di di di que e e e e e e e e e e e e e e e e e e			
2648 75-52 (4274R 75-18)	A		BAULKING FEATURE IN SOLENOID CASE.				o one of the time
2670 75-58 (4295U 75-14)	A		MODIFIED ADJUSTING NUT AND REGULATOR.				
2718 75-59 2(4299U 275-15)	A		AIR SHELL WITH CASE OUTLET FLANGE.	our source and the so			
3553 (4429U 75-22)	R+	R+	GENERAL GROUND COOLING EJECTOR VALVE SEALING FEATURES.	w			
4193 (4508U 75-30)	R	R	PL 94 ANTI-CORROSIVE TREATMENT.				
(4548U 75 31)	A		LONGER PUSHROD FOR SOLENOID ASSEMBLY.				
4650 75-32 (4631U 75-32)		A	INTRODUCTION OF REGULATOR BUSH WITH REDUCED DIAMETER AIR BLEED HOLES.			:	
4768 (4680U 75-39)		R	INTRODUCTION OF THINNER NUTS.				
4712 (4681U 75-40)	R-	R	INTRODUCTION OF STAINLESS STEEL GASKET AT TRANSFER VALVE BUSH & FILTER BOLT.				
4564 (4500U 75-43)		A	AIR CONTORL VALVES - NEW SOLENOID COIL ASSEMBLIES.		(M2004)	<u> </u>	
(4785U 75-49)	A		NEW MAIN HOUSING ASSEMBLIES & TAB WASHERS.		***************************************		:
(4797R   75-50)	A		SELF-LOCKING NUTS ON SENSING PROBE.				

NA-AO-4004-S						
WEK SPEX	IFICATION NO.					
3						
ISS.NO.	REV. NO.					

21.	39
PAGE	OF
Sep 1	.3 1993
Г	ATE

SPARTSTI MARIJEACTHERES SHIPLETIN SOMM FARCE		1
UNIT: THOUND COOLING EJECTOR VALVE (B)	.GATE:	H/O:
CISTO*E8***	2/5;	SZA:

HOD: OR	CATE	(YWY	DESCRIPTION	** WEMARKS	- сл	RCM	. KG
SERVICE WILLETIE	#6213 w	6242					
(4978U 75-51) (RR 5217)	R	R	INTRODUCTION OF POTTING TO PROTECT SOLENOID AGAINST POSSIBLE INGRESS OF WATER.				
5043U 75-56	А -		ALTERNATE DOMES N8863430/1 & N8863248/2.				
5044 75-54 (RR 5385)	A		ALTERNATE PRESSURE CHAMBER.				
5045U 75-55 (RR 5458)	A		INTRODUCTION OF STAINLESS STEEL DOME.				
5056U 75-52 (RR 5383)	R	R	CHECK INLET FLANGE THICKNESS.				
51710 75-60 (RR 5563)	A		INTRODUCTION OF NEW COIL.		-		
129854 75-53	A		INTRODUCTION OF ASSEMBLED & PRE-SET VALVE ASSEMBLY.				
5168U 75-61	A	A	REVISED AIR SHELL.				
*PART FI			Contractor BULLETINSCOMPETANCE				
			NONE ISSUED.	.*		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
			•	•			
PART IV			FAR AIRWORTHINESS DIRECTIVES NONE ISSUED.		77		
			**511-8 MOD 6213 - MOD 6242**				
	************************	gogiago como es encoro e estado e		\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$			
	······································	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					•
7	***************************************						***************************************

مستمين	N2	A-AO-4004-S
emes (	HORK	SPECIFICATION BO.
	3	
 :.	LSS.RO.	REV.BO.

22	sanarsannaann	39	
PAGE		, of	
Sep	13	1993	
	DAT	Z	

1 4		
PARTOEL MARIJEACTURESSEIGEETER SYMPETARIE		
INIX: -ANTI-ICE VALVE (A)	SDATE:	W/O:
CHENNER	.P/a:	.s.n:

HD GE	CATE	C MAX	**DESCRIPTION	PEMARKS	-c#1	PCW	NK.
**************************************	+ <b>6212</b> =	*6241					
1524 75-22 (4010U 75-8)	R		ANTI-ICING CONTROL VALVES YELLOW IDENTIFICATION BAND ON CASE.				***************************************
2571 75-46 (4232U 75-12)	R		SQUARE HEADED VALVE STEMS & CONCAVE SEATINGS ON HOT AIR & GROUND COOLING EJECTOR VALVES.				
2648 75-52 (4274U 75-18)	A		BAULKING FEATURE IN SOLENOID CASE.		***************************************	Southern and property angles are seen	
2670 75-58 (4295U -75-14)	A		MODIFIED ADJUSTING NUT & REGULATOR.				
2718 75-59 (4299U 75-15)	A		AIR SHELL WITH CAST OUTLET FLANGE.				
4192 (4488U 75-27)	R	R	SEALING OF HOUSING AGAINST WATER INGRESS.			**************************************	
4308 75-107	A		ROTAX AIR CONTROL VALVES WITH COMPONENTS IN HIDUMINUM 100 MATERIAL REPLACED WITH STEEL.				ļ
4193 (45080 :75-30)	R	R	PL.94 ANTI-CORROSIVE TREATMENT.				
4564 (4500U 75-43)		A	AIR CONTROL VALVES - NEW SOLENOID COIL ASSEMBLIES.	-•		·	
4768 (4680U 75-39)		R	INTRODUCTION OF THINNER NUTS.	,			
4712 (4681U 75-40)	R	R	INTRODUCTION OF STAINLESS STEEL GASKETS AT TRANSFER VALVE BUSH & FILTER BOLT.				
(4785U 75-49)	A		NEW MAIN HOUSING ASSEMBLIES & TAB WASHERS.				
			**511-8 MOD 6212 - MOD 6241**				<del> </del> -
<u> </u>				gygy (Angsigene accommon accidental participation of the contraction o			-
	***************************************						

NA-A0-4004-S					
WORK SPECIFICATION BO.					
3					
ISS.NO.	REV. NO.				

23	***************************************	39	
PAGE		OF	
Sep	13	1993	
	DAY	F	

PARTOLI MARIPACTERRES HILLETIN COMPLIANCE		
UNIT:- ANTI-ICE VALVE (B)	SDECK:	3W/O-9
CISTIPER	P/8:	5/K

MODELE SERVICE SERVICE	*CATE		DESCRIPTION	CEPARES	G/H	*PCF-*	e Ru
(4797U 75-50)	A		SELF-LOCKING NUTS ON SENSING PROBE.				
(5044U 75-54) (RR5385)	A		ALTERNATE PRESSURE CHAMBER.		94473000Q4000Y4500Q400Y4594V45	METANDATA SPECIOS ESSENATORIO AP	
(5056U 75-52) (RR5383)	R	R	CHECK WALL THICKNESS OF INLET FLANGE.	The second secon		***********************************	
(4978U 75-51) (RR5217)	R	R	POTTED SOLENOID TO PREVENT WATER INGRESS.	and the second s			
(5043U 75-55)	A		ALTERNATE DOMES N88630/1 & N8863248/2.		***************************************		~~~~
(5045U 75-55) (RR5458)	A		INTRODUCTION OF STAINLESS STEEL DOME.		*******************************	***************************************	
AMMEND- MENT 128064 75-26	R	R	RE-ROUTE OF LEAD FROM SOLENOID COIL.				
129854 75-53	A		INTRODUCTION OF ASSEMBLED & PRE-SET VALVE ASSEMBLY.				
(4631U 73-32) (RR4650)		Α,	INTRODUCTION OF REGULATION BUSH WITH REDUCED DIAMETER BLEED HOLES.		ecinteratorista de la constanta	ф ф Драдуацияния посменения	
(5171U 75-60) (RR5563)	A		INTRODUCTION OF NEW COIL.	·•	***************************************		:
(5168U 75-61)	Α .	A	REVISED AIR SHELL.		8		
PART III			Contractor BULLETIN COMPLIANCE				
			NONE ISSUED.				
PART IV			PAA: AIRWORTHINESS: DIRECTIVES				
			NONE ISSUED.				

N	N-A0-4004-S
WEE	SPECIFICATION NO.
3	······································
ISS.NO.	rey, no.

24		39
PAGE		.OF
Sep	13	1993
ngangaran camacana an ana an	DAT	_

			5.550 (8.000.3)
PARTETI MABURACTOREPS BUILKTIH (IMPLIANE)			
			l
UNIX YUEL BURNERS (A)	DATE:	RNO:	
		22.	
CISINER	:P/#	8/#:	
		**************************************	

				DESCRIPTION	PENARKS	C/W	*PCM*	xe
MODER SERVICE BILLETIN	3511-8	CATE	338.1 	15-caritation				
5739 73-187	A			INTRODUCES NOZZLE AIR SHROUD OF HASTELLOY X MATERIAL.			***************************************	
2592 73-29	R			INTRODUCTION OF NARROW PRIMARY SPRAY WITHOUT WASHING.	CP2437 ALSO REQUIRED (SOV)			
2765 73-120	R			INTRODUCTION OF NUT LOCK SPRING 0.028" THICK N.90 MATERIAL.	S/S BY 5676			
3171 72-123	A			FUEL SPRAY NOZZLES - STRENGTHENED PILOT FUEL TRANSFER BOBBIN FILTER IN FEED ARM.				
73526 73-119	SE			INNER NOZZLE WITH FUEL WASHED NARROW METAL CONE ANGLE.	APPLICAB LE TO 2592 NOZZLES ONLY.			
4011 73-135	R			ALUMINUM NOZZLE ELBOW WITH STEEL ANTI-FRET SLEEVE.				record communicated colorations and an account
5676 sp- MISC-126	R			INTRODUCTION OF A NEW NOZZLE NUT RETAINING RING.				
					-	on season to the		
					was the same to th	<u> </u>		
						,		·
								<u>.</u>

	NA-AO-4004-S						
l	WORK SPECIFICATION NO.						
İ	3						
Į	ISS.NO. REV.NO.						

25	39
PAGE	OF

	Sep	13	1993	
i		DAT	E	
	***************************************			

•		
PARTELL SMARINAL TURRES SHILLER LA SAPELLAR A		
	DATES	H/O)
DELEGATE (B)		
	₽ <b>/#</b> :	
	SP/M:	S/X:

HOSIOR CATEGORS					EDESCREPTION	PDAPKS	REMARKS COM- PCM				
HOBIOR SERVICE BULLETIN	7511:0	CALE	i de la companya de l		2,000						
4500 73-156	R				FUEL NOZZLES - ALUMINIZED FRONT SHROUD CHAMFER.	S/S BY 5739					
5111 73-164	R	-			"RETIMET" FILTER IN SPRAY NOZZLE.						
5212 73-165	SE				FUEL SPRAY NOZZLE WITH S/CNT SLEEVES FITTED IN PRIMARY FUEL PASSAGE.			·			
5739 73-187	R+				NOZZLE NUT.	ALSO SEE 6175		**************************************	***************************************		
6175 Sp-MISC -162	A				INTRODUCTION OF NOZZLE NUT HARDNESS CHECKED AT MANUFACTURE.						
PARTSILI					Contractor BULLETIN						
TI-109	R				FUEL SPRAY NOZZLE INSPECTION ACCEPTABLE CRITERIA.						
TI-126	R		•		RETAINING NUT, HARDNESS CHECK.						
		,		1				;			
PARTIV					*FAA*AIRWORTHINESS DIRECTIVES						
					NONE ISSUED.	,					
		*				-	1				
	:								;		
}4 : .ta∮											

	N2	A-A0-4004-S	
	XXX	SPECIFICATION NO.	
	3		-
ISS	NO.	rev.ho.	

2.6	39		
Page	OF		
Sep	1.3 DAT	1993 £	

12 No.		
PARTOTI ****** *** ************************		
MMITS SD HARNESS (A)	DATE	
	976	S/H:
CISTOHER		

DESCRIPTION RE								REMARKS COMMITTEE STATE				
MODEUR SPRVICE BULLETINGS	3513+6	CATH	XXXI		DECEMBER OF THE PROPERTY OF TH							
1777 71-32	R				SINGLE BUTT WRAP METHOD APPLICATION OF SPIRAL SLEEVING.		N. W. S.	ļ				
2588 71-136	R	,			HARNESS CLIPPING BY SELECTIVE ASSEMBLY OF CLIPS.				-			
2745 72-418	R				REVISED CLIPPING AT OIL RETURN TUBE.							
3562 71-155	R				LP FUEL PRESSURE WARNING SWITCH WITH ORIENTED CONNECTOR.	ALSO SEE 3561.		annana siisisti siisteesa sa	rammacronario (ne est			
3687 77-26	R				CABLES-BOLTS ON T6 JUNCTION BOX TO SUIT BRACKET FOR CLIPPING AIRCRAFT SUPPLIED CABLES.				······································			
4603 71-202	R				HARNESS LOOM WITH INDEXED CANNON CONNECTORS.							
4641 71-204	R	.,	-		LD HARNESS - STRAIGHT CONNECTOR AT STARTER PRESSURE SWITCH.							
week commercial commercial extraordinates and an extraordinates of the extraordinates of								.				
		-										
					· · ·				·			
									-			

	NA-AO-4004-S WORK SPECIFICATION NO.								
	HORK	SPECIFICATION	RO.						
	3								
IS	S.BO.	rev.	,BO.						

27	***************************************	39		
PAGÉ	OF			
Sep	13	1993		
	DAT	2		

T		
PART*II MARUFACTURRUS RUTARFIN CAMPLIANCE		
UNIT: **D HARNESS (B)	DATE	W/G-
CISTOPER	F/8:	S/K

HOB-CR SERVICE BIRLETIR	2511×8 ×	CATE	CHRE	,	DESCRIPTION	REMARKS	C/H	PCSF	NO.
					•				
oon ah									
one and a second		macrosics 44444444444444444444444444444444444				-			
PART III					Contractor BULLETIN COMPLIANCE NONE ISSUED.				
PARTIV					FAA-AIRWORTHINESS DIRECTIVES			,	
					NONE ISSUED.	٠.		**************************************	gangyyysica przemieniczny przemieni
TOTAL PROPERTY AND THE STATE OF			_				Ç.		
	**************************************	-			·				

N2	A-AO-4004-S
HOKK	SPECIFICATION NO.
3	
ISS.NO.	REV.RO.

28 <b>Page</b>		39 OF
Sep	13 DATI	1993 E

PARTOLI *** ** ** ** ** ** ** ** ** ** ** ** *		
SUNIE: NON-RETURN VALVES	STATE:	H/0:
CUSTOMER	:F/#:	25 <b>/8</b> :

											I	
MACONE BASEMVICE METALETIN	3511+6°°	CATE	93K3		DESCRIPTION:	RDARKS	CAR	CPCM	¥Ç.			
3519 75-83	A				INTRODUCTION OF DUNLOP ACM 24704, ISSUE 4.		entre en	, ,				
5344 75-137 DUNLOP E435	Α	-			INTRODUCTION OF DOUBLE FLAPPER DUNLOP VALVE ACM 28268.							
5399 75-139	A				INTRODUCTION OF ETE 4195 VALVE.		······································					
5867 75-152	A				INTRODUCTION OF HTE 4418 VALVE.							
PART III					Contractor BULLETIN COMPLIANCE							
) ;)					NONE ISSUED.			2011000				
			·									
PARTEIV					FAA\AIRWORTHINESS: DIRECTIVE:							
					NONE ISSUED.			200 marina (1886)				
		J.,		<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>								
	***************************************	and the state of t										
,						•	'					
		20					6					
							,					
									-			

NA-A0-4004-S						
HXBK	SPECIFICATION NO.					
	<del>0000000000000000000000000000000000000</del>					
3						

A (Inches Assessment)	29		39	
	PAGE		OF	
	Sep	13	1993	
	***************************************	DAT	E	*********

YART'EL MARUTACTURKES-BULLETTE-COMPLYANCE		
SUNIT: THERMOCOUPLES & HARNESS (A)	*DATE:	N/o:
SCISTOMER .	:F/#:	s/r.

MYO GE SERVICE BULLETIA	5114874		CORY		DESCRIPTION	REMARKS	COM	e-PCs	HI.
3294 77-20	R -				T/C CABLES - JUNCTION BOX WITH REVISED CIRCUIT FOR TEST RECEPTACLE MEASURING CABLES.				
3617 77-28	R				ENGINE INDICATING-DELETION OF FEATURES INTRODUCED BY MOD 3037.			***************************************	
3687 77-26	R				CABLES-BOLTS ON T6 JUNCTION BOX SUIT BRACKET FOR CLIPPING AIRCRAFT SUPPLIED CABLES.				
4494 77-31	R				T1/T6 JUNCTION BOX COVER IN XP212 MATERIAL TO REPLACE THE EXISTING COVER IN DX19409 (THERMOSETTING) MATERIAL				
4514 77-34	R				T1/T6 THERMOCOUPLE JUNCTION BOX CABLE TERMINALS INSULATED.		onennoonensinkamittiisiitiisii		
					·			•	
-					,				-
								ALERA MINISTER PROPERTY AND ADDRESS AND AD	en-conject-was spirony can per
d strong or the strong of the	AND THE PROPERTY OF THE PROPER			-					<u> </u>

A-AK	0-4004-S
HORK SPE	CIPICATION RO.
3	
ISS.NO.	REV.NO.

39		39	1
Page		OF	
Sep	13	1993	
	DAX	E	Ì

PARTICIA MARIFACTURES HILLETIN COMPLIANTE		
UNIT: **PHERMOCOUPLES & HARNESS (B)	DATE:	N/O:
CISTIMEN	1/4	6/8

,										
200000000000000000000000000000000000000	HOUSE SERVICE RULLETEN	511-62	CATE	JOHES.		DESCRIPTION	REMARKS	**CAR	PC9	KR
	5060 77-39	SE				ENGINE INDICATING - INTRODUCTION OF A GENERAL ELECTRIC THERMOCOUPLE TYPE 8TC 35AB.		***		
	5077 MISC-93	R				INTRODUCTION OF K188009 BOLT TO T1/T6 JUNCTION BLOCK.				
	5396 77-45	R				CONVERT 0902KTC/4 TO 090KTC/5.		www.ama.l/denisidentsisientsisientsisient	·	
						Contractor <u>spuncetin</u>				
	PART®III *		ı			COMPLIANCE NONE ISSUED.				
				-						
	PARTSIV					FRAURIRHORTHINESS DIRECTIVES NONE ISSUED.				
										·····
								······································	, , , , , , , , , , , , , , , , , , ,	**************************************
		•						AC MARCOL NO SERVICION DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE		phosphysical programmer and the second
										www.commonweal
									) (MAZZACOWA NA CANZZANI	
	- Carrena compositivo de la compositivo della co			·				mag jada jiggi karing kencepa Parina Arasan		
ľ								<u> </u>	<u> </u>	

NA-AO-4004-S HORK SPECIFICATION NO.				
 HORK	SPECIFICATION NO.			
 3				
 ISS.HO.	rev.no.			

31		39	
Page		OF	
Sep	13	1993	<i></i>
	DAY	Z	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

PART * LI SMARIFACTORERS HILLERT IN COMPLIANCE		
UNIT: THP FUEL PUMP	DATE:	₩/O÷
CISTAGE.	F/H-	S/R

S HOU OR SERVICE BULLETIN	2511+ <b>8</b>	CATE	CORT	ORSCRIPTION	REMARKS	асле	E-FCH - AR
3338 73-117 P.701	R			DRAIN VALVE ASSEMBLY & ASSOCIATED PARTS DELETED.			
P.935	R		·	REVERT TO PRE-MOD P733 'O'RINGS.			New York Control of the Control of t
	`.				·		
PARTIII				Contractor BULLETIN COMPLIANCE			
				NONE ISSUED.		·	
PARTIV				FAA: AIRWORTHINESS DIRECTIVES			
Militaro roccomo massomo como monocomo m	·		00000	NONE ISSUED.	*************************************		***************************************
							:
			••••••••••••••••••••••••••••••••••••••			8	
					·		
	a <del>cmy</del> / ary humania / augustino (ar						

N.	A-A0-4004-	5
HORK	SPECIFICATION	NO.
3		vauvanaan ( )
LSS.NO.	REV	.NO.

32	39	
PAGE	OF	
Sep	13 1993	
	DATE	

PARTOLIS MARIJFACTURERSSHILLETTE COMPLIANCE.		
ONIT:	DATE:	W/O:
CISTME	F/8:	5/8:

				unggangan panakan kalangan Manakan panakan panaka						
	MODER SERVICE BULLETER	511-6	CATE	GORX		*DESCRIPTION	*REMARKS	c/¥	PCM :	AIR-a-
3 7	506 3-118	R				MODIFIED BOSS TO CLEAR FAIL SAFE CLAMPS ON INLET CON-NECTION.				
										***************************************
				W662-28224	**************************************					
					ļ					
P	ART III					Contractor BULLETIN COMPLIANCE				
						NONE ISSUED.				*************
L										
P	art*iv					PAR AIRWORTHINESS. DIRECTIVES				
-	na ngasaka kapi apan-pan-pan-panana pan-pan-na sa sa	<del>, , , , , , , , , , , , , , , , , , , </del>				NONE ISSUED.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	NAMES AND PROPERTY.	
					~*************************************		***			
ļ.										~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
_					<u> </u>				***************************************	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			************************	-				**************************************
		:						ζ,		***************************************
						-,				
	- Angles Ang									
						·				
- 1		AMERICAN ASSOCIATION ASSOCIATI								

N.	A-AO-4004-S
 WORK	SPECIFICATION BO.
 3	
 ISS.HO.	rev.no.

33		39
PAGE		OF
	***************************************	
Sep	13	1993
	DAT	5

		4
PART / LI PARUEACTURERS SHILLSTIN COMPLIANCE		
UNIX: FUEL DIFFERENTIAL PRESSURE SWITCH	DATE	§ <b>W</b> /O*
CETO-OR	"农/事"	(S/X

HOO CR	c	ATERRY	DESCRIPTION		C/W a	PCX	W.
SERVICE	511-6:						
3597 73-126	R		IMPROVED PRODUCTION STANDARD FUEL DIFFERENTIAL PRESSURE SWITCH.				
4473	A		INTRODUCTION OF N & Z DIFFERENTIAL PRESSURE SWITCH 05407.				
	***************************************						
49							
PARTIII			Contractor BULLETIN COMPLIANCE				
	MORPHICAN CONTRACTOR C		NONE ISSUED.	aggaran <mark>anatang nasuran anatan manatan manatan m</mark>		was to the second	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
PARTIV			FAA: AIRWORTHINESS DIRECTIVES				
marantara tiraasi) moofijoolija alka kastaanai. miinayoolija			NONE ISSUED.		**************************************	:	
-		2000,000 part of the contract					
					(		(
			·		;		
							<u>-</u>
*							
						<u> </u>	<u></u>

	÷	
	N	A-A0-4004-S
	HURK	SPECIFICATION NO.
	**************	**************************************
_	3	
755	NO.	REV.RO.

34	100000000000000000000000000000000000000	30
PAGE		Œ
Sep	13	1993
	DAT	7

•		
FART II "" MARITYA: TURKUS - HILLETTAN - LAPPLITANCE		
	PATE:	*H/O:
unit:		
	P/R·	S/#:
CISTIALE		

HOD ON SERVICE BULLETIN	e511-8	CATE	XXY		PESCRIPTION	REMARKS	CAR	PCH_	e MR e
3423 77-22	Α				FUEL & OIL TEMPERATURE BULBS TO MIL 7990-B (LEWIS 56B3A).			and the second s	
		aggyggan argynn y y y y y y y y y y y y y y y y y y	\	\					***************************************
PART III					Contractor BULLETIN COMPLIANCE NONE ISSUED.				
PARTIV					FAA AIRWORTHINESS				
					NONE ISSUED.			·	
									vanconner or
	, -	pata distribution di conscienti di di di 1900 e							***************************************
: <u>.</u>				,					

NA-AO-4004-S							
WORK	SPECIFICATION	MO.					
3	20-04-08-08-08-08-08-08-08-08-08-08-08-08-08-						
ISS.NO.	REV.	MO.					

35	39
PAGE	OF.
Sep	13 1993
	DATE

PARTEEL MARIEAUTIERESSEERTENSYMPETARE		1
HP & LP RPM INDICATORS (SMITES) KGA 1601 & KGA 2302	DATE	W/O:
CISTOMER	P/A:	5/H:

ĺ										
	HORIGE SERVICE TRULEFTIR	-511-6	CAY	ESCRIT		DESCRIPTION	REPARKS	· C/H	- PCH	HT2
	2407 77-11	A				ENGINE SPEED INDICATOR GENERATOR INTRODUCTION OF GRUB SCREW TO PREVENT ROTATION TO STATOR.				,
				70000000000000000	www.gcoopedgagary.com/com/com/com/com/com/com/com/com/com/		`		•••	
	PARTIII					Contractor BULLETIN GOMPHANCE				
	F.					NONE ISSUED.			:	
							,			
	PARTIV					FAA AIRWORTHINESS DIRECTIVES				
						NONE ISSUED.				
							and the second s			) O O O O O O O O O O O O O O O O O O O
	17947/24/04/04/04/04/04/04/04		**************************************					Ç		
						· · · · · · · · · · · · · · · · · · ·		;		
			·	en-generalege		•				
			***************************************					***************************************		
Ĺ							-			

N.	n-no-4004-s
HORK	SPECIFICATION BO.
3	
ISS.NO.	REV.NO.

:36 Page		30 OF
Sep	13	1993
Presentation of the Person of	DAT	E

PARTE II KARUFALTURKES BULLETIK (UMPLIAKI)		
LP FUEL WARNING LIGHT SWITCH UNIT SMITES TYPE 1091/GP)	DATE:	34/04
SCIENCHER	(P/#:	5/4:

HOOTER SERVICE BULLETIA	511-6	CATE	CORT		OFSCRIPTION	PEMARES	C/Has	FOR	a shu
2913 73-89	R				ENGINE INDICATING - REVISED SETTING OF LP FUEL PRESSURE WARNING LIGHT SWITCH.				***************************************
3561 73-129	R				ORIENTATED CONNECTOR.	ALSO SEE 3562			
	•			policina participa de la constitución de la constit					
PART III					Contractor BULLETIN COMPLIANCE				
					NONE ISSUED.				
PARTIV					FAN AIRWORTHINESS DIRECTIVE			·	
					NONE ISSUED.				40,000
			and an annual and helicide for the first of		,		É		
	•	_					i i		
									-
	***************************************								
								ogga i mana a sasan dahat da sasan da s	

	N.	A-AO-4	004-s		
	HORK	SPECIFI	CATION	MO.	
	and the same of th	*****************	***************************************	alkimkokousuus.	WARRIED TO STREET
<b>.</b>	3				
	MA		DEV	160	. ,

· 37		39	
Pagé		OF	
Sep	13	1993	
	DAT	Ē	

PARTILL MARIEM TURBUSHUL RELEXAMPLIANCE		S S
OIL LP WARNING SWITCH CHILLS TYPE 1137 & 1138)	HATE:	sH/0:
CUSTIFICE	.2/4:	9/H;

**************************************						C/A	РСИ	NR S
SERVICE	511-61.							
2334 79-8	A			ENGINE INDICATING CHANGE OF MATERIAL FOR OIL LOW PRESSURE WARNING SWITCH PUSH ROD.				
	-	<b>-</b> .						
	`							
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			(Defension of the control of the con			
·								
PART: ILI				Contractor RUELETIN COMPLIANCE				
		*		NONE ISSUED.				
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		nersy generate management in the least the lea	and proceedings are the construction of the co		
		·····						
:								
PARTSIV				FAA AIRWORTHINESS DIRECTIVES NONE ISSUED.	•			
					***************************************			· ·
	-					<u> </u>		
				,				
		<del>~~~~</del> ~	<del>v</del>					
<del>_</del>			·			······································		· .
· <del>,</del>   !								
ľ					1 .		<u> </u>	

na-ao-4004-s						
	HORK	SPECIFICATION NO.				
	3					
Ļ,	ISS.NO.	rev.no.				

38			39	-
PAGE			of	
Sep	13	199	3	
DATE				

4 - 7		
PARTS 11 SMARUFACTURERS SHULLETIN COMPLIANCE		
FUEL HEATER CONTROL VALVE	DATE:	₽ <b>₩/</b> 0:
CISTACE *	.P/8:	S/H:

Ī	MOGOR CATEGORY					*DESCRIPTION PERMISS			C/HAN POH MAR		
	MINITE SERVICE BULLETIE	-511-8	LAIS	GAL		W-2-1-1-1-1-1-1					
3	C.2478 (RR5172) 73-22	R				THERMAL ELEMENT CUP MATERIAL SPECIFICATION REVISED.					
						•					
			9111700-1-101171 (10117-1017-1017-1017-1017-1017-1017-101			·		`.			
	PART III					Compliance Bulletin					
	valterius bisain kali tu alimpin kunda kasi ilitti salas kan ilitti salas kan ilitti salas kan ilitti salas ka	, ,	· · ·			NONE ISSUED.	······································			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
***************************************	PARTSIV					<pre>*FAA@AIRWGRTBINESS *DIRECTIVE</pre>					
ŀ		on the second	wangangayanoo, saaa aa aa	Company of the Control of the Contro		NONE ISSUED.	al area constant and a constant and	***************************************	-		
				***************************************			- •				
	200000000000000000000000000000000000000					•	,	Ş	- -		
						· · · · · · · · · · · · · · · · · · ·					
1	The second secon										
										:	

N.	NA-AO-4004-5 WORK SPECIFICATION NO.			
WORK	SPECIFICATION NO.			
3	nearround amening was more and a second and a			
ISS.NO.	REV.NO.			

39		39	
PAGE	_	OF	
Sep	13	1993	
	DAT	٤.	

*PART* FT MARIJFACTURERS* HULLESTIN COMPLIANCE		
UNIX: #LJECTOR PUMP	STATE:	IKO:
CUSTOMER	.P/H:	8/8:

HOUGH SERVICE BUILLYSIN	EJP 109	EJF 101	OPSCRIPTION =:	REMARKS	C/9	PCF	NE .
CP4980 73-251 (RR 5419)	R		REVISED ORIFICE UNION AND BODY.	***************************************	***************************************		•
CP4981 75-250 (RR 5420)	R		STAINLESS STEEL FLOAT.		***************************************	,-	
CP5160 73-260 (RR 5725)	A		INTRODUCTION OF EJP 101.		·····		·
CP6719 373-292 (RR 6289)	R	R	IMPROVED SHIM LOCATION ON ORIFICE BOBBIN.				
CP6749 73-293 (RR 6306)	R	R	INTRODUCTION OF A REMOVABLE FILTER TO THE EJECTOR NOZZLE.				
				4		!	
					j		
°PART®III			Contractor *BULLETEN*COMPLIANCE NONE ISSUED.				
							-'
PART*IV			FRA AIRWORTHINESS DIRECTIVES NONE ISSUED.	; ·		·	

SOW Attachment 4 NASA Spey Engine MK 511-8 Speed Thrust Limits Drawing Number 2065002, Revision A

SOW Attachment 5

NASA Spey Engine MK 511-8

Starting Flow Requirements

FUEL FLOW REGULATOR TYPE CASC 174, 206 12<u>-5</u>-88

<b>3</b>	Starting Flow Requirements	
REFERENCE Lucas Overhaul Man		WORK ORDER
CUSTOMER_	P/N	C/N
REASON FOR REMOVAL	TTN/I	'50
	IMP. G. P.H. (FU	EL 'A')
}		
RECORD FLOWS	┡ <del>╌╌</del> <del>╏╌┆</del>	╽ <del>┆╸┦╂┩┡╍╅╸</del> ┪ <del>┇┇┇┇┇</del> ╤╉ <del>╤┇┇</del>
500	110	
600		
.000		
1.200	100	
400		
600		
8800		
2000	<b>₹</b> 80	
2400	≥ <u> </u>	
2800		
•		
,		
•	6:	
•		
Mechanic	50	
٠.		
	40	
		2000 3090
	0 1000 UNIT SPEED (R.P.	2000
	UNII SPEED (K.K.	m.)

SOW Attachment 6 Modification Category and Compliance Codes

### MODIFICATION CATEGORY AND COMPLIANCE CODES

<b>M</b>	(Mandatory) (See Note 2)	(This modification is classified as Mandatory and must be accomplished. Historical records furnished to the customer must reference this compliance listing the applicable Airworthiness Directive (AD) Note, Alert Service Bulletin (SB) and/or modification and SB Number. No engine may leave the shop without this compliance.
R	(Required)	Incorporation of this modification is required. No engine may leave the shop without compliance except by the authority of NASA JSC.
R+	(Required + Special Remarks)	Incorporation of this modification is required; however, special remarks are applicable relative to compliance categories or compliance effectivity. No engine may leave the shop without
·		compliance when applicable as instructed by "Special Remarks" except by the authority of NASA JSC.
CR	(Customer Request)	Incorporation of this modification is to be accomplished only when requested by the customer. Modification must be referenced as "required" on face of applicable work order.
A	(Attrition)	Incorporation of this modification is to be accomplished when the part involved requires renewal because of its condition and all stock of pre-mod parts are no longer available.
SE	(Service Evaluation)	Incorporation of this modification is required for service test only when referenced on the applicable work order.
C/W	(Complied With)	This code will be used any time a modification, service bulletin and special work spec is complied with by the contractor or subcontractor.

PCW (Previously Complied With)

This code will be used when it is determined that a modification, service bulletin contractorbulletin and/or special work specification was not accomplished due to being previously accomplished prior to receipt of the engine on the current job. Bulletins and mods that are repeat compliances will be stamped both "C/W" and "PCW".

N/A (Not Applicable)

This code will be used when it is determined that any modification, service bulletin contractor bulletin and/or special work specification is not accomplished because it is not applicable due to the engine model or type and/or configuration of the parts installed. This code will also be used on Category "CR" and "SE" when work order instructions do not request compliance.

N/R (Not Required)

This code will be used when it is determined that any modification, service bulletin, contractor bulletin and/or special work specification is not accomplished due to the condition of existing parts. Applicable to Category "A": Bulletins and/or on Category "R+" Bulletins when remarks information allows compliance only due to condition of existing parts. NASA JSC'S approval is required to utilize this code on any Required (R) modification that cannot be accomplished for some reason other than previously referenced.

- NOTE 1: Multiple compliance categories will be indicated when applicable.
- NOTE 2: Inspection sign-off of AD Notes as PCW or N/R can only be made if determined by physical examination of the part. Where this determination is made by review of the log book or previous record, the compliance column must be signed off by an authorized signature.